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Applicant's or agent's file reference number	PA106PCT	International application	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

<b>A.</b> The indications made below relate to the microorganism referred to in the description on page <u>121</u> line <u>N/A</u>	
<b>B. IDENTIFICATION OF DEPOSIT</b> Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution <u>American Type Culture Collection</u>	
Address of depositary institution (including postal code and country) <u>10801 University Boulevard</u> <u>Manassas, Virginia 20110-2209</u> <u>United States of America</u>	
Date of deposit <u>1 February 1999</u>	Accession Number <u>203610</u>
<b>C. ADDITIONAL INDICATIONS</b> (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
<b>D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE</b> (if the indications are not for all designated States)	
<u>Europe</u> In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
<b>E. SEPARATE FURNISHING OF INDICATIONS</b> (leave blank if not applicable)	
The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")     	

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Authorized officer <u>Joy Littlewood</u> <u>PCT/International Application Processing Div.</u> <u>(703) 305-5539</u>

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**ATCC Deposit No. 203610****CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

**NORWAY**

The applicant hereby requests that the application has been laid open to public inspection (by the Norwegian Patent Office), or has been finally decided upon by the Norwegian Patent Office without having been laid open inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Norwegian Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Norwegian Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on the list of recognized experts drawn up by the Norwegian Patent Office or any person approved by the applicant in the individual case.

**AUSTRALIA**

The applicant hereby gives notice that the furnishing of a sample of a microorganism shall only be effected prior to the grant of a patent, or prior to the lapsing, refusal or withdrawal of the application, to a person who is a skilled addressee without an interest in the invention (Regulation 3.25(3) of the Australian Patents Regulations).

**FINLAND**

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

**UNITED KINGDOM**

The applicant hereby requests that the furnishing of a sample of a microorganism shall only be made available to an expert. The request to this effect must be filed by the applicant with the International Bureau before the completion of the technical preparations for the international publication of the application.

**Page 2****ATCC Deposit No. 203610****DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

**SWEDEN**

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**NETHERLANDS**

The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.

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Applicant's or agent's file reference number	PA106PCT	International application	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

<b>A.</b> The indications made below relate to the microorganism referred to in the description on page <u>121</u> , line <u>N/A</u>	
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Name of depositary institution <u>American Type Culture Collection</u>	
Address of depositary institution (including postal code and country) <u>10801 University Boulevard</u> <u>Manassas, Virginia 20110-2209</u> <u>United States of America</u>	
Date of deposit <u>17 November 1998</u>	Accession Number <u>203485</u>
<b>C. ADDITIONAL INDICATIONS</b> (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
<b>D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE</b> (if the indications are not for all designated States)	
<u>Europe</u> In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
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Form PCT/RO/134 (July 1992)

**ATCC Deposit No. 203485****CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

**NORWAY**

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**AUSTRALIA**

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**FINLAND**

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**UNITED KINGDOM**

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**Page 2****ATCC Deposit No. 203485****DENMARK**

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**SWEDEN**

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**NETHERLANDS**

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Applicant's or agent's file reference number	PA106PCT	International application	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

<b>A.</b> The indications made below relate to the microorganism referred to in the description on page <u>121</u> , line <u>N/A</u>	
<b>B. IDENTIFICATION OF DEPOSIT</b> Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution <u>American Type Culture Collection</u>	
Address of depositary institution (including postal code and country) <u>10801 University Boulevard</u> <u>Manassas, Virginia 20110-2209</u> <u>United States of America</u>	
Date of deposit <u>18 June 1999</u>	Accession Number <u>PTA-252</u>
<b>C. ADDITIONAL INDICATIONS</b> (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
<b>D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE</b> (if the indications are not for all designated States)	
Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
<b>E. SEPARATE FURNISHING OF INDICATIONS</b> (leave blank if not applicable)	
The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")     	

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Authorized officer <u>IRVING M. DAVENPORT</u> PCT/International Appl Processing Div. (703) 305-3839

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**ATCC Deposit No. PTA-252****CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

**NORWAY**

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**AUSTRALIA**

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**FINLAND**

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

**UNITED KINGDOM**

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**Page 2**  
**ATCC Deposit No. PTA-252**

**DENMARK**

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**SWEDEN**

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**NETHERLANDS**

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596

Applicant's or agent's file reference number	PA106PCT	International application <sup>1</sup>	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

A. The indications made below relate to the microorganism referred to in the description on page <u>121</u> , line <u>N/A</u>	
B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution American Type Culture Collection	
Address of depositary institution (including postal code and country) 10801 University Boulevard Manassas, Virginia 20110-2209 United States of America	
Date of deposit 18 June 1999	Accession Number PTA-253
C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States) Europe In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable) The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g., "Accession Number of Deposit")	

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Form PCT/RO/134 (July 1992)

**ATCC Deposit No. PTA-253****CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

**NORWAY**

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**AUSTRALIA**

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**FINLAND**

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**UNITED KINGDOM**

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**Page 2**

**ATCC Deposit No. PTA-253**

## **DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

## **SWEDEN**

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## **NETHERLANDS**

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599

Applicant's or agent's file reference number	PA106PCT	International application	UNASSIGNED
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## INDICATIONS RELATING TO A DEPOSITED MICROORGANISM

(PCT Rule 13bis)

<b>A.</b> The indications made below relate to the microorganism referred to in the description on page <u>121</u> , line <u>N/A</u>	
<b>B. IDENTIFICATION OF DEPOSIT</b> Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution <u>American Type Culture Collection</u>	
Address of depositary institution (including postal code and country) <u>10801 University Boulevard</u> <u>Manassas, Virginia 20110-2209</u> <u>United States of America</u>	
Date of deposit <u>22 December 1999</u>	Accession Number <u>PTA-1081</u>
<b>C. ADDITIONAL INDICATIONS</b> (leave blank if not applicable) This information is continued on an additional sheet <input type="checkbox"/>	
<b>D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE</b> (if the indications are not for all designated States)	
<u>Europe</u> In respect to those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28 (4) EPC).	
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Form PCT/RO/134 (July 1992)

**ATCC Deposit No. PTA-1081****CANADA**

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

**NORWAY**

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**FINLAND**

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**UNITED KINGDOM**

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**Page 2**  
**ATCC Deposit No. PTA-1081**

## **DENMARK**

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The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.

*What Is Claimed Is:*

1. An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence at least 95% identical to a sequence selected from the group consisting of:
- (a) a polynucleotide fragment of SEQ ID NO:X or a polynucleotide fragment of the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
  - (b) a polynucleotide encoding a polypeptide fragment of SEQ ID NO:Y or a polypeptide fragment encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
  - (c) a polynucleotide encoding a polypeptide fragment of a polypeptide encoded by SEQ ID NO:X or a polypeptide fragment encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
  - (d) a polynucleotide encoding a polypeptide domain of SEQ ID NO:Y or a polypeptide domain encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
  - (e) a polynucleotide encoding a polypeptide epitope of SEQ ID NO:Y or a polypeptide epitope encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X;
  - (f) a polynucleotide encoding a polypeptide of SEQ ID NO:Y or the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X, having biological activity;
  - (g) a polynucleotide which is a variant of SEQ ID NO:X;
  - (h) a polynucleotide which is an allelic variant of SEQ ID NO:X;
  - (i) a polynucleotide which encodes a species homologue of the SEQ ID NO:Y;
  - (j) a polynucleotide capable of hybridizing under stringent conditions to any one of the polynucleotides specified in (a)-(i), wherein said polynucleotide does not hybridize under stringent conditions to a nucleic acid molecule having a nucleotide



sequence of only A residues or of only T residues.

2. The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises a nucleotide sequence encoding a protein.

5

3. The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises a nucleotide sequence encoding the sequence identified as SEQ ID NO:Y or the polypeptide encoded by the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X.

10

4. The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises the entire nucleotide sequence of SEQ ID NO:X or the cDNA sequence included in the related cDNA clone, which is hybridizable to SEQ ID NO:X.

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5. The isolated nucleic acid molecule of claim 2, wherein the nucleotide sequence comprises sequential nucleotide deletions from either the C-terminus or the N-terminus.

20

6. The isolated nucleic acid molecule of claim 3, wherein the nucleotide sequence comprises sequential nucleotide deletions from either the C-terminus or the N-terminus.

25

7. A recombinant vector comprising the isolated nucleic acid molecule of claim 1.

8. A method of making a recombinant host cell comprising the isolated nucleic acid molecule of claim 1.

30

9. A recombinant host cell produced by the method of claim 8.

10. The recombinant host cell of claim 9 comprising vector sequences.
11. An isolated polypeptide comprising an amino acid sequence at least  
5 95% identical to a sequence selected from the group consisting of:
- (a) a polypeptide fragment of SEQ ID NO:Y or of the sequence encoded by the cDNA included in the related cDNA clone;
  - (b) a polypeptide fragment of SEQ ID NO:Y or of the sequence encoded by the cDNA included in the related cDNA clone, having biological activity;
  - 10 (c) a polypeptide domain of SEQ ID NO:Y or of the sequence encoded by the cDNA included in the related cDNA clone;
  - (d) a polypeptide epitope of SEQ ID NO:Y or of the sequence encoded by the cDNA included in the related cDNA clone;
  - (e) a full length protein of SEQ ID NO:Y or of the sequence encoded by the  
15 cDNA included in the related cDNA clone;
  - (f) a variant of SEQ ID NO:Y;
  - (g) an allelic variant of SEQ ID NO:Y; or
  - (h) a species homologue of the SEQ ID NO:Y.
- 20 12. The isolated polypeptide of claim 11, wherein the full length protein comprises sequential amino acid deletions from either the C-terminus or the N-terminus.
- 25 13. An isolated antibody that binds specifically to the isolated polypeptide of claim 11.
14. A recombinant host cell that expresses the isolated polypeptide of claim 11.
- 30 15. A method of making an isolated polypeptide comprising:

(a) culturing the recombinant host cell of claim 14 under conditions such that said polypeptide is expressed; and

(b) recovering said polypeptide.

5           16.     The polypeptide produced by claim 15.

17.     A method for preventing, treating, or ameliorating a medical condition, comprising administering to a mammalian subject a therapeutically effective amount of the polypeptide of claim 11 or the polynucleotide of claim 1.

10

18.     A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

(a) determining the presence or absence of a mutation in the polynucleotide of claim 1; and

15           (b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or absence of said mutation.

19.     A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

20           (a) determining the presence or amount of expression of the polypeptide of claim 11 in a biological sample; and

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or amount of expression of the polypeptide.

25           20.     A method for identifying a binding partner to the polypeptide of claim 11 comprising:

(a) contacting the polypeptide of claim 11 with a binding partner; and

(b) determining whether the binding partner effects an activity of the polypeptide.

30

21. The gene corresponding to the cDNA sequence of SEQ ID NO:Y.
22. A method of identifying an activity in a biological assay, wherein the method comprises:
- 5 (a) expressing SEQ ID NO:X in a cell;
- (b) isolating the supernatant;
- (c) detecting an activity in a biological assay; and
- (d) identifying the protein in the supernatant having the activity.
- 10 23. The product produced by the method of claim 20.

## SEQUENCE LISTING

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Steve Ruben

<120> Human Cancer Associated Gene Sequences and Polypeptides

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2613

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<210> 9
<211> 1101
<212> DNA
<213> Homo sapiens

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<221> misc feature

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&lt;222&gt; (730)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (983)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1055)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 9

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&lt;210&gt; 10

&lt;211&gt; 1373

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1373)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 10

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&lt;210&gt; 11

&lt;211&gt; 3804

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 11

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&lt;210&gt; 12

&lt;211&gt; 2157

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (806)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (846)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2110)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2116)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

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<211> 1117

<212> DNA

<213> Homo sapiens

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<222> (1102)

<223> n equals a,t,g, or c

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<211> 885
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (884)
<223> n equals a,t,g, or c

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cgccagatgc cagggtatcc acggaggtcc gggccatcat tgcctggatg gagaagaacc 720
ccttcgtgct gggagcaaat ctgaacggcg gcgagcggt agtatcctac ccctacgata 780
tggcccgcac gccttaccca ggagcagctg ctggccgcac catggcagca rcccgggggg 840
aggatgagga cgaggtytcc raggcccang agattccaga ccang 885

<210> 15
<211> 1024
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (938)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1005)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1012)
<223> n equals a,t,g, or c

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<220>  
 <221> misc feature  
 <222> (1019)  
 <223> n equals a,t,g, or c

<400> 15  
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 gcgtgaactg cttcctgcag gctggccatg gcgcttcacg ttcccaaggc tccgggcttt 120  
 gccagatgct caaggagggg gcgaaacact tttcaggatt agaagaggct gtgtatagaa 180  
 acatacaagc ttgcaaggag cttgccc aaa ccactcgtac agcatatgga ccaaatggaa 240  
 tgaacaaaat ggttatcaac cacttggaga agttgtttgt gacaaacgat gcagcaacta 300  
 ttttaagaga actagaagta cagcatcctg ctgcaaaaat gattgtaatg gcttctcata 360  
 tgcaagagca agaagttgga gatggcacaa actttgttct ggtatttgct ggagctctcc 420  
 tggaattagc tgaagaactt ctgaggattg gcctgtcagt ttcagaggct atagaaggtt 480  
 atgaaatagc ctgcagaaaa gctcatgaga ttcttcctaa tttggtatgt tgttctgcaa 540  
 aaaaccttcg agatattgat gaagtctcat ctctacttcg tacctccata atgagtaaac 600  
 aatatggtaa tgaagtattt ctggccaagc ttattgctca ggcattgcgt tctatttttc 660  
 ctgattccgg ccatttcaat gttgataaca tcagagtttg taaaattctg ggctctggtg 720  
 tcagttcctc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa gtgatgtaac 780  
 atctgtcaaa gatgcaaaaa tagcagtgtg ctcttgctct tttgatggca tgataacaga 840  
 aactaaggga acagtggttg taaagactgc tgaagrattg atgaatttta gtaagggagr 900  
 agaaacctca tgggtgcaca agtcaaagct attgctgnta ctgggtgcaat gtcgagtaca 960  
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 aaat 1024

<210> 16  
 <211> 545  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (40)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (45)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (403)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (476)  
 <223> n equals a,t,g, or c

<220>

<221> misc feature  
 <222> (507)  
 <223> n equals a,t,g, or c

<400> 16  
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 cgacccacgc gtccggagag gagccccagc cttgggattc ccaagtgttt tcattcagtg 120  
 atcaggactg aacacagagg actcaccatg gagtttgggc tgagctggat ttcccttgct 180  
 gctattttaa aagggtgtcca gtgtgaggtg cagctgggtg agtctggggg aggcttggtg 240  
 aagcctgggg ggccccttag actctcctgt gcagcctctg gattcacttt cagtaacgcc 300  
 tggatgagct ggggtccgcca ggctccaggg aaggggctgg agtggggttg ccgtattaaa 360  
 agcaaaactg atggtgggac aacagactac gctgcacccg tgnaaaggca gattcaccat 420  
 ctcaagagat gattcaaaaa acacgytgta tytgcaaatg aacagcctga aaaccngagg 480  
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 ctttt  
 545

<210> 17  
 <211> 623  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (15)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (613)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (616)  
 <223> n equals a,t,g, or c

<400> 17  
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 tcgccccacc cggccgcgcg ccgagcgctc gagaaagtcc tctcgggaga agcagcgccct 180  
 gttccccggg cagatccagg ttcaggctct ggctataagt caccatggca cagcaagctg 240  
 ccgataagta tctctatgtg gataaaaact tcatcaacaa tccgctggcc caggccgact 300  
 gggctgccaa gaagctggta tgggtgcctt ccgacaagag tggctttgag ccagccagcc 360  
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 aggtgaacaa ggatgacatc cagaagatga acccgcccaa gttctccaag gtggaggaca 480  
 tggcagagct cacgtgcctc aacgaagcct cgggtgttgca caacctcaag gagcgttact 540  
 actcagggtc catctacgta agtggctgcc gtggcaccgc gcaggctggg tctgagggtc 600  
 ccgagggtgg gngngnggcg ggt  
 623

<210> 18  
 <211> 559

<212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (371)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (531)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (544)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (547)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (556)  
 <223> n equals a,t,g, or c

<400> 18  
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 attagtaatt ttaaaatgag grtggaatt aactaacaga actgatagga agtgtaaca 180  
 tacaacaggg gagtctaaga tggcttccaa ttttcaacta gaggggtaag ggtaccatta 240  
 acttaagatc attaatacag raaaattaat cagatttgga gtttaccaag gtttgctttt 300  
 ggttgtaaca atgatatatg ataaaattaa atgrataaat aagtgratgc actgggtgaat 360  
 taatgagctg ntctcattaa gaccagagta cttatttata acaaaaagtaa cttttccctt 420  
 tccttggtga catcaaaactg tactccacag ataacagaca ccagtgaagt tttcatggtt 480  
 aaaaaagccc caactttgac ctataaatgt ggaccaagaa attaaaataa nctggaacca 540  
 gcgngcnacg gtattngga 559

<210> 19  
 <211> 1355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (55)  
 <223> n equals a,t,g, or c

<220>

<221> misc feature  
 <222> (1045)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1355)  
 <223> n equals a,t,g, or c

<400> 19  
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 acaacggcac ctctgccagg gctaccacaa cccagccag caagagcact ccattctcaa 180  
 ttcccagcca ccaacttgat actcctacca cccttgccag ccatagcacc aagactgatg 240  
 ccagtagcac tcaccatagc acggtacctc ctctcacctc ctccaatcac agcacttctc 300  
 cccagttgtc tactggggtc tctttctttt tcctgtcttt tcacatttca aacctccagt 360  
 ttaattcctc tctggaagat cccagcacg actactacca agagctgcag agagacattt 420  
 ctgaaatggt ttgagcagatt tataaacaag ggggttttct gggcctctcc aatattaagt 480  
 tcaggccagg atctgtggtg gtacaattga ctctggcctt ccgagaaggt accatcaatg 540  
 tccacgacgt ggagacacag ttcaatcagt ataaaacgga agcagcctct cgatataacc 600  
 tgacgatctc agacgtcagc gtgagtgatg tgccatttcc tttctctgcc cagtctgggg 660  
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 ccattgtcta tctcattgcc ttggtgtgtc gtcagtgcg ccgaaagaac tacgggcagc 780  
 tggacatctt tccagcccgg gatacctacc atcctatgag cgagtacccc acctaccaca 840  
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 caggtaatgg tggcagcagc ctctcttaca caaaccacgc agtggcagcc acttctgccca 960  
 acttgtaggg gcacgtcggc cgctgagctg agtggccagc cagtgccatt ccactccact 1020  
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 gaagctcatg tgggcccctga ggctcatgcc tgggaagtgt tgtggtgggg gctcccagga 1200  
 ggactggccc agagagccct gagatagcgg ggatcctgaa ctggactgaa taaaacgtgg 1260  
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaan 1355

<210> 20  
 <211> 1280  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1043)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1162)  
 <223> n equals a,t,g, or c

<400> 20  
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tggagagcat cctctcttac cccaaggact tcacctgtgt ccaccaggcc ctgaagggct 120
tcacgaccaa aggtgtcacc tcagtctctc agatcttcca cagcccagac ctggccataa 180
gggacacctt tgtgaatgcc tctcggaccc tgtacagcag cagccccaga gtccataagca 240
acaacagtga cgccaacttg gagctcatca acacctgggt ggccaagaac accaacaaca 300
agatcagccg gctgctagac agtctgccct ccgataaccg ccttgtctc ctcaatgcta 360
tctacctgag tgccaagtgg aagacaacat ttgatcccaa gaaaaccaga atggaaccct 420
ttcacttcaa aaactcagtt ataaaagtgc ccatgatgaa tagcaagaag taccctgtgg 480
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ccactctcct aacactaccc cgcataaag tgacgaccag ccaggatatg ctctcaatca 720
tggagaaatt ggaattcttc gatttttctt atgaccttaa cctgtgtggg ctgacagagg 780
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tttctctagt tcaagttcac cagactctat aaataaaacc tgacagacca tgaaaaaaa 1260
aaaaaaaaac tcaagactag                                     1280

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&lt;210&gt; 21

&lt;211&gt; 1191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 21

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gcaattcctt ctggcttctt gtgacctcac gcaagaaaag gttgtgtact aaatgaatct 60
gctttaactt gctctccttc ctoggggac acaccttttt aagaaagcct gtcccttacc 120
ttgaagcaca aacatatctt catttttatt ctcccaatac cttgaagggt ttcttctgca 180
catgtatttg tttgatctgc cttttgtgcy ggggtggga gttaggtagg aatcttaaa 240
tggagagcca gtttcttccc aaattactga cctaaccat ccttaacccc cagttcaagg 300
ccacctttgt gatagtgaag cttccacatg ctactcagc cccttctgct ctctcttctt 360
ctctactgtg catgtcggct tgtacttttg ccagtttctc taaagacaca accagagtgg 420
gggtggctgt gtgtgcacaac ttcaacttta catgtggggc tgagtcccta tgttgtatat 480
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taaaccctt atatatgtac acttatttat aactatgaac gcctgaacta ggatagaaat 660
gcatttgtta tattacaaaa cataacaaaa ataatagggg tagggagggt cagatgttgg 720
tcaaaggata taaacctgca gttctatgat gaataagttc tggacatctg gaatacagca 780
tggtgactat acttagtaatt actatatgtt acacttgaag cttactgaaa gagttaattc 840
caagtgttct caccacacaa acccaaaagg aactatgttc tcaccacaca aacccaaagg 900
gaactatgta ttaattagct tgattgtggg aaccatttca caatgtatac atttgccaaa 960
acattatggt gtatacctgg aatatataat tttatttatc aattatacct caataaagct 1020
gaaagagggg attactaatt cccacaaaat acagatttaa caaaaacttt tattcaaca 1080
acagtgcctt gaagttgtaa attggaaca aaagaaataa aatttcattc acagtcttct 1140
catcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcgtag g 1191

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&lt;210&gt; 22

&lt;211&gt; 853

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 22

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cttacacagc agcaacagcc tgctacaggg ccacagccat ctctgggagt tagttttgga 60
acgccattcg gctcagggtat tggcactggc ttgcaatcaa gtggcttagg ttcttcaaac 120
cttggaggat ttggaactag ctctggtttt ggatgcagca ccacaggggc ctccacattt 180
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gtgtccaate ctgccctctgc aggttttgga acaggaggac aactccttca gttgaagaaa 360
cctccagctg graacaaaag aggaaaaaga taaacatggg ttgatgtgtt gagagaatcc 420
atagcagcac cgttcattct atgagtctat ttttctaata atgcagtaat taaattgcat 480
cccagagat ttataaagtt ttgatatttt tccctactct ggratttgaa ctttcttcat 540
gtttgccata ctgaacawct tttttcttgt ggaatttaaa gtccagctgt gttttctttt 600
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accattaacc taaaacttac tatttaacct agtggttttg ttgatgaggt ttacattatg 720
tgaatacatg cacatttggt tcttatacag gtgggtgtgaa ctctagggcc tatactagaa 780
tcaatttggt ccttggttaa ggccttttga attatactgc agggcatctt gtgaatatgt 840
atgtaaatat ata

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853

&lt;210&gt; 23

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 23

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ggcacgagct cgtccggccc gtgggtctga cggcttgagt agcgctaggg agaateccctg 60
caggtaatat ttgacttttg ctcatatta atctgagtgg aaaataaaaag ggccctcttc 120
tcctctcgct tccctgccgg gcaggcgcca tggcggaagc tcggcgacgg gcgcctgcgg 180
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cttctcgaac taccggccct tcgagcccca ggcgttgggc ctacagcccga gctggcggt 300
gacgggcttc tccggcatga agggctgagg ctgcaaggtc ccgcagaggc cctgctcaaa 360
ctcctggcgg gactgamgag gccggacktk cggccccgct gggccggggc ctkgtkggk 420
gccargaara agcgtcccag gaagccggcc tgccggcaag agcggggccc agcc

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474

&lt;210&gt; 24

&lt;211&gt; 2280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 24

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ctctccccct ccnaccctc ccgctccaag attcgcgcgc gccgcgcgcg cagccgcagg 60
agtagccgcc gccggagccg cgcgcaccca tggccgagaa cccagcttg gagaaccacc 120
gcatcaagag ctccaagaac aaggggccgc atgtggaaac aatgcgaaga catagaaatg 180
aagtgcaggt ggaactgcgg aagaacaaaa gagatgaaca cttattgaaa aagagaaatg 240
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300

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taaccctaga agctatatgt cagaatgcc aagtgataa cccagtggc caattgagt 360
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taaaatctgg gattttacca attctagtca aatgtctaga aagggatgat aatccttcat 480
tacagtttga agctgcttgg gcattaacta acatagcadc aggracttct gcacagactc 540
aagctgttgt gcagtctaatt gcagtacctc tttttctgag acttcttcgt tcaccacatc 600
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&lt;210&gt; 25

&lt;211&gt; 1061

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 25

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atggcaggct ctgaagagct ggggctccgg gaagacacgc tgagggtcct agctgccttc 180
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gaagagccaa cagacttctc gagccgcctt cgaagatgtc ttccctgctc cctggggcga 300
ggagcagccc cctctgagtc cctcggcctt tgctctctgc ccatccgccc ctgctatggt 360
ttagagcctg gccagctac tccagacttc tatgctttgg tggcccagcg gctggaacag 420
ctggtccaag agcagctgaa atctccgccc agcccagaat tacagggtcc ccatcgaca 480
gagaaggaag ccatactgcg gaggtctgtg gccctgctgg aggaggaggc agaagtcatt 540
aaccagaagc tggcctcgga ccccgccctg cgcacaagct ggtccgctg tctccgaact 600
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agctgagccg gcgcgtggcc gggctggggg gcaccctggc cggactcagc gtggagcacg 780
tgcacagctt cagccctgg atccaggcca cgggggctgg gagggcatcc tggctgttc 840
accctgtggac ttgaacttgc cattggactg agctctttct cagaagctgc tacaagatga 900
cacctcatgt ccttgccttc ttctgtgtgt tttccaagtc ttctatttcc actcagggt 960
gtgggggtggt ggttgcccta cctgtttttg ccaaaaataa attgtttaa acttttctta 1020
ttaaaaacgt tacaacaaaa aaaaaaaaam agggggggccg c 1061

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<210> 26

<211> 1572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1491)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1555)

<223> n equals a,t,g, or c

<400> 26

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ccgccgcgcc ggggggtggg ggggctgcgc gggacttttt tttttttcag actgaccgcg 120
gggcagctgc ggacatgtcg accccggccc ggaggaggct catgcgggat ttcaagcgg 180
tacaagagga ccacactgtg ggtgtcagtg gcgcaccatc tgaaaacaac atcatgcagt 240
ggaatgcagt tatatttggg ccagaaggga caccttttga agatgggtact tttaactag 300
taatagaatt ttctgaagaa tatccaaata aaccaccaac tgtaggttt ttatccaaaa 360
tgtttcatcc aaatgtgtat gctgatggta gcatatgttt agatatacct cagaatcgat 420
ggagtccaac atatgatgta tcttctatct taacatcaat tcagtctctg ctggatgaac 480
cgaatcctaa cagtccagcc aatagccagg cagcacagct ttatcaggaa aacaaacgag 540
aatatgagaa aagagtttcg gccattgttg aacaaagctg gaatgattca taatagacaa 600
ctggtctgtt aatctttttc atcattgttg tgtataaatt acctctcatt agaaaggcta 660
acaaatttta agtgccacag gttttaagga ttctgcagaa aaaaaagaaa aaagtccttc 720

```

```

agtttagaac ctacaaaagc ttgtgtatct tgattaatgt acttttttatt gcatggtgtg 780
aactaagtta ttgctgcata aatttgtaat atatcctgtt tgtatttttt tccaagtgta 840
taatgttggt gtggagtttt catgacagaa tatacacatt ttgtaaatct gtactttttt 900
caaatattga atgccttatt ttgaattct ttagattttt aaattggaga aaagcactta 960
aagtttttta tatatgaata ttacatgtaa agctgttaaa atacataact tcagtgcag 1020
agactttgtc acttatttcc ttatgtgtgt aggaggggtt aataagtcct tagctctcca 1080
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tagtttcaat tgagtaattc tagacataac tggtttgact ctgtccaact ctgtatttag 1260
gccatttggt acagtttctt catgcattac ttactgttaa aactgtacct ttgtcgattt 1320
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cactttaaaa aattttttga ttaatgaagg aaagtaaaac cataaacatt tgccaaaaat 1440
tcatgcccc a gtattaggca atggaattag gttgcattgg gtttgaggaa ngggcacatt 1500
ggggggggga atcttggggt gttaacnttt aaattatttt gggaaaattt acccntttta 1560
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```

<210> 27

<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1976)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1977)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1978)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1979)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1986)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1988)

<223> n equals a,t,g, or c

&lt;400&gt; 27

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gcggacgcgt gggctcgccma cgcgygcgca agcagcgggt tagtggtcgc gcgcccgcacc 60
tccgcagtc ccagccgagcc gcgacccttc cggccgtccc caccaccact cgcgcgccatg 120
cgccctccgcc ccctagcgct gttcccgggt gtggcgctgc ttcttgccgc ggcccgccctc 180
gccgctgctt ccgacgtgct agaactcacg gacgacaact tcgagagtcg catctccgac 240
acgggctctg cgggcctcat gctcgtcgag ttcttcgcyc cctgggtgtg acactgcaag 300
agacttgcac ctgagtatga agctgcagct accagattaa aaggaatagt ccatttagca 360
aaggttgatt gcactgccaa cactaacacc tgtaataaat atggagtcag tggatatcca 420
accctgaaga tatttagaga tggtagaaga gcaggtgctt atgatggacc taggactgct 480
gatggaattg tcagccactt gaagaagcag gcaggaccag cttcagtgc tctcaggact 540
gaggaagaat ttaagaaatt cattagtgat aaagatgcct ctatagtagg ttttttcgat 600
gattcattca gtgaggtcca ctccgagttc ctaaaagcag ccagcaactt gagggataac 660
taccgatttg cacatacgaa tgttgagtc ctggtagaac agtagatga taatggagag 720
gggtatcatc tatttcgtcc ttcacatctc actaacaagt ttgaggacaa gactgtggca 780
tatacagagc aaaaaatgac cagtggcaaa attaaaaagt ttatccagga aaacattttt 840
gggtatctgcc ctacatgac agaagacaat aaagatttga tacagggcaa ggacttactt 900
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aagagatacc tgaagtctga acctatccca gagagcaatg atgggcctgt gaaggtagtg 1260
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ctaaatccaa agaaatatga aggtggccgt gaattaagt attttattag ctatctacaa 1560
agagaagcta caaaccccc tgtaattcaa gaagaaaaac ccaagaagaa gaagaaggca 1620
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atgggaaaaac cttatgggag gactaggacc catatgggaa ttattaccct tcagggcoga 1740
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cactgtttat ggaaatacca ggaccagttt atgtttgtgg ttttgggaaa aattattttg 1860
gttgggggaa atgttgtggg ggtggggtg agttgggggt attttcta at tttttttgta 1920
catttggaac agtgacaata aatgagacc ctttaaaaa aaaaaaaaa aaaaannnn 1980
gggggncc cagtcctt cgccc 2005

```

&lt;210&gt; 28

&lt;211&gt; 1408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 28

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ccgcagaca ngcaattttc acctgtgagg tccctggtgt ctactacttt gsataccacg 60
ttcactgcaa ggggggcaac gtgtgggttg ctctattcaa gaacaacgag ccggtgatgt 120
acacgtacga cgagtacaaa aagggtcttc tggaccaggc atctgggagt gcagtgctgc 180
tgctcaggcc cggagaccgg tgttcctcca gatgccctca gaacaggctg caggactgta 240

```

```

tgccgggcag tatgtccact cctccttttc aggatattta ttgtatccca tgtaaaaaa 300
aaaaaacaaa aaacaaagaa aagaaagaga ttttatagaa gaaaatgaca caccaaaaaa 360
tccaaatgaa aaacataatt gcttcaaaac acttacacag ttggaaagtt atatgtaagt 420
gaaaatttgg accatttgtgt acaaataaaa actaagatgc atgtttaata ctccacacag 480
cagcctgtaa ttgcgaatga tgggatatagag ttatgtatca agtactgaca ctgggttgta 540
cccactggaa tcatattagc tgttttatgt tatatgcttc cacagtaacc tgcttattca 600
gatcagtc aaatataatcag tatgaaagat catagcta atgaaagcact cactcatatt 660
gtttacttta aaatatttat aaatatgcct taaagaaata caaatgata caattacata 720
ccgtatttac ttgcttaatt tcctctgtat ttgtgtagat actttgacat ggaatatatg 780
gtggggagac ccgtagtgtt accgccccag tgggaggggg ccctgggacc ctggtaatgc 840
tttagtcaaa gggatatctc tcttgtatca gaggctgtgt cttttagtaa caggagtcct 900
cgtcagaatt gcgtgtctgt tgtctctaaa agaattgggtg aaccaatcgg cctttgtgaa 960
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ttcctccatg taattttcac tatggcccaa ctaataataa cacctgggaa attacaagga 1200
aaaaaaattc ttctctaat aactttccaa atttgtggaa tatttatttg taatagcagt 1260
tatcagttat gcttatatag cattaaaaat tctctcctt tgactacaca cacaaccaca 1320
gtgtgggtct aatcatggag atatcagtaa ttttagtaa ctgarttttg aggacatttc 1380
tctgttttagc atgtatgcaa actggata
1408

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<210> 29  
 <211> 917  
 <212> DNA  
 <213> Homo sapiens

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<400> 29
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ggaccatgtg cgcgtcccgg gacgactggc gctgtgcgct ccatgcacga kttttccgcc 180
aaggacatcg acgggcacat ggtaacctg gacaagtacc ggggcttcgt gtgcatcgtc 240
accaacgtgg cctcccagtg aggcaagacc gaagtaact acactcagct cgtcgacctg 300
cacgcccgat acgctgagtg tggtttgcg atcctggcct tcccgtgtaa ccagttccgg 360
aagcaggagc caggagtaaa cgaagagatc aaagagtctc ccgcgggcta caacgtcaaa 420
ttcgatatgt tcagcaagat ctgctgtaac ggggacgacg cccaccgcct gtggaagtgg 480
atgaagatcc aaccaagggt caagggcacg ctgggaaatg ccatcaagtg gaacttcacc 540
aagttcctca tcgacaagaa cggtgcgtg gtgaagcgct acggacccat ggaggagccc 600
ctggtgatag agaaggacct gccccactat ttctagctcc acaagtgtgt ggccccgccc 660
gagccctcgc ccacgcccgt ggagccttcc accggcactc atgacggcct gcctgcaaac 720
ctgctggtgg ggcagaccgg aaaatccagc gtgcaccccg ccggaggaa gtcctatggc 780
ctgctgggct tggctcggcg cccccacccc tggctacctt gtgggaataa acagacaaa 840
tagcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaaa aaaaaaa
917

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<210> 30  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

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<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<400> 30
aattcggcac gaggtcatct ggtggaaaaag gagactttta gattgttttag ggctggggcgg 60
ggtgactcac atctgtaatc ccagcacttt gggaggccaa ggcaggcaga acacttgaag 120
gagttcaaga ccagcgtggc caacgtgggt aacctgtct ctactaaaaa tacaaaaatt 180
gtttagctct gttttcata atagaaatag aaaaggtaaa attgcttttc ttctgaaaag 240
aacaagtatt gttcatccaa gaagggtttt tgtgactgaa tcagcagtgc ctgccctagt 300
catagctgtg cttcagaaac ctcagcatga ttagtgttkg agcmmaacaa ggragcaaaag 360
caaawcwgwt ttttgaaatt ctatctgttg cttgaactat tttgtaataa ttaaactttg 420
gatgttgaga aatcacaaact ttattgggtac acttcattgc aacttgaat tccatgggtc 480
ttaaagttag attggaattc naatgggcgg ctttataaaa gtaattccca accnttaagg 540
ttaaacccca ggaaattggg gccaatcnaa aaccnng 577

<210> 31
<211> 2059
<212> DNA
<213> Homo sapiens

<400> 31
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gtcaaccatc tcatcattct ttccacctgg gtaccaagtc tcttctgtct tggatgaggt 120
actccttttt gcagtgagac caggactata tttctctgtg aagacaaaca ttcgaaagctc 180
aacaagagac tggaaggacc ataaatttaa atggagaaaag gacctcaag acaaatgacc 240
cccatcccat gggggttaata agagcagtag cagcagcatc tctgaacatt tctctggatt 300
tgcaacccca tcatcctcag gcctctctac aagcagcagg aaacatagaa ctcagagcca 360
gatcccttat ccaactctcg acttttcctt ggtctccagt ggaagggaag agcccatgat 420
cttcaagcag ggaagcccca gtgagtagct gcattcctag aaattgaagt ttcagrgcta 480
cacaaacamt tttctgtccc aaccgttccc tcacagcaaa gcaacaatac aggcagagga 540
tgaaggagga gtgcaaaaara gtgtcccccac cctcctgccc ccgcaccgt ttgcccaccc 600
ttcggaagac ccagtgctgt gatgagtatg agtggtcctg caactgtgtc aatccacagt 660
gagctgtccc cttgggtact tggcctcaac cgccaccaat gactgtggct gtaccacaac 720
cacctgcctt ccgacaagg tgtgtgtcca ccgaagcacc atctacctg tgggcccagt 780
ctgggaggag ggtgctgatg tgtgcacctg caccgacatg gaggatgccg tgatgggccc 840
ccgcgtggcc cagtgtctcc agaagccctg tgaggacagc tgctggctcg gcttactta 900

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cgttctgcat gaagggcagtg gctgtggaag gtgcctgcc tctgcctgtg aggtggtgac 960
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cccggagaac ccctgcctca tcaatgagtg tgtccgagtg aaggaggagg tctttataca 1080
acaaaggaaac gtctcctgcc ccagctgga ggtccctgtc tgccctcgg gctttcagct 1140
gagctgtaaag acctcagcgt gctgcccagg ctgtcgctgt gagcgcatgg aggcctgcat 1200
gctcaatggc actgtcattg ggcccgggaa gactgtgatg atcgatgtgt gcacgacctg 1260
ccgctgcatg gtgcaggtgg gggtcacttc tggattcaag ctggagtgc ggaagaccac 1320
ctgcaacccc tgccccctgg gttacaagga agaaaataac acaggtgaat gttgtgggag 1380
atgtttgcct acggcttgca ccattcagct aagaggagga cagatcatga cactgaagcg 1440
tgatgagacg ctccaggatg gctgtgatac tcacttctgc aaggtcaatg agagaggaga 1500
gtacttctgg gagaagaggg tcacaggctg cccacccttt gatgaacaca agtgtctggc 1560
tgagggaggt aaaattatga aaattccagg cacctgctgt gacacatgtg aggagcctga 1620
gtgcaacgac atcactgcca ggctgcagta tgtcaagggt ggaagctgta agtctgaagt 1680
agaggtggat atccactact gccagggcaa atgtgccagc aaagccatgt actccattga 1740
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ggtagggcctg cactgcacca atggctctgt tgtgtacat gaggttctca atgccatgga 1860
gtgcaaatgc tccccagga agtgacagaa gtgaggctgc tgcagctgca tgggtgcctg 1920
ctgctgcctg ccttgctgca tggccaggcc agagtgtctg cagtcctctg catgttctgc 1980
tcttggtccc ttctgagccc acaataaagg ctgagctctt atcttgcaaa aaaaaaaaaa 2040
aaaaaaaaaa aaaaaaaaaa

```

2059

```

<210> 32
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

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<400> 32
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atggtttagc gccaggttcc ccacgaacgt gcggtgcgtg acgggcgagg gggcgccgc 120
tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca 180
cctaattca attcactggc cgtcgtttta caacgtcgtg actgggaaaa ccttggcggt 240
acccaactta atcgccctt tcccaacagt tgcgcancgt gaatggcgaa tggggacgcg 300
gcccgcaccg attcgccctt tcccaacagt tgcgcancgt gaatggcgaa tggggacgcg 360
cctgtatgg gcgcgttnaa gcgcggcggg tgtggtggtt acgcgcagt gaccgcctac 420
acttgccagc gccctagcgc ccgctccttt cgtttcttc ctttctttc tcgccacgtt 480
cgccggcctt ccccttnaag ctctaaatcg gtgggctccc tttaggtgtc ctatttngtg 540
ctttanggt
849

```

```

<210> 33
<211> 841
<212> DNA
<213> Homo sapiens

```

```

<400> 33
gctttgaacc tcaacagcca gctgaacata cccaaagaca caagccaact gaagaaacat 60
atcaccttgc tctgcgatag attatccaaa ggtggccgtc tctgcctaag taccgatgca 120
gcagcccccac agaccatggt catgccaggt ggttgacta caatcccaga gtcagacctc 180
gaagaaagat cagtagaaca agactctaca gaactgttta ccaaccacag acatctcact 240
gcagagacac ccaggcctgt ttcacccctc caaggagtct cggaaataatt ccaagtagag 300
ttgtttggtt gagaggaaca tccccatctc aaggccgaac ctgtgtgaac ctcagtccaa 360
gcacagatat arggctggcg cagggtgcttc cyaaagctya ccttcctgga gatgacatgc 420
atagaaagag ggttggggac ttttacttc actaggagaa cttgtaacac catggggaag 480
tcagctgaaa ctgtcttgt tttgccagga aagggaagtag ttgcctttgg tcatccatct 540
gctaatagtc acagaataca gtgaaatgac atagttttgg gttagatttt ataatgcaaa 600
gattcagatc caaaataatt tcatacccca ttttttcaca gaattcttat atagtaaatg 660
tatcaagttt aataaagcat ctcatgttca aataatatct tggattttat ttataattag 720
agggatttat gagtgattgc tctacattat ttcttcaaag gaaaggaaag gaattgaaga 780
ctttgctact ctctggtaag acttgaatgt gattatttta taaataaaaag aaccactatg 840
a
841

```

```

<210> 34
<211> 863
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature

```

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc. feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 34

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accaaaaaag ctttggagnt ttccaaccnc cggtttgctg cccngttttt tagaactnag 60
tggaatcccc ccgggggcttt caaggaattc ggcacgagtt tgcttaggcg cagacgggga 120
agcggagcca acatgccagt ggcccggagc tgggtttgtc gcaaaactta tgtgaccccg 180
cggagaccct tcgagaaatc tcgtctcgac caagagctga agctgatcgg cgagtatggg 240
ctccggaaca aacgtgaggt ctggagggtc aaatttacct tggccaagat ccgcaaggcc 300
gcccgggaac tgctgacgct tgatgagaag gacccacggc gtctgttcga aggcaacgcc 360
ctgctgcggc ggctgggtccg cattgggggtg ctggatgagg gcaagatgaa gctggattac 420
atcctgggac tgaagataga ggattttcta gagagacgcc tgcagaccca ggtcttcaag 480
ctgggcttgg ccaagtccat ccaccacgct cgcgtgctga tccgccagcg ccataatcagg 540
gtccgcaagc aggtgggtgaa catcccgtcc ttcattgtcc gcctggattc ccagaagcac 600
atcgacttct ctctgcgctc tccctacggg ggtggccgcc cgggcccgcg gaagaggaag 660
aatgccaaga agggccaggg tggggctggg gctggagacg acgaggagga ggattaagtc 720
cacctgtccc tcctgggctg ctggattgtc tcgttttcct gccaaataaa caggatcagc 780
gctttacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa ttt                                     863

```

&lt;210&gt; 35

&lt;211&gt; 1230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 35

```

tgcaggaatt cggcagcagc ccagcgcgcg cgccatgtcc tccgggggcta gcgcgagcgc 60
cctgcagcgc ttggtagagc agctcaagtt ggaggtctgc gtggagagga tcaagggtctc 120
tcaggcagct gcagagcttc aacagtactg tatgcagaat gcctgcaagg atgccctgct 180
gggtgggtgtt ccagctggaa gtaacccctt ccgggagcct agatcctgtg ctttactctg 240
aagactctag gagagaagtt tgctgaggaa tgccttcaag cacaaagtga tgaatgactg 300
ccttcaagtc tcaagaaaac acttttccct aactttttag gatatttcag ccctttcctg 360
tggcctggtc ctatagccaa aatcacagat attcatgagt ttctacttga gtgagaaaac 420
tgggtgaagg aatagaatct taaatagtaa taactgcttg ttttttttgt gcaagtactt 480
ttatacataa gataaacaaa aaccttacca ccaaacatac caaaatgcac ctctttcata 540
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<210> 36  
 <211> 640  
 <212> DNA  
 <213> Homo sapiens

<400> 36  
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 ctatccgcac tagaaagtcc atgaccaacc gactacttca gaggaacaa atggtcattg 180  
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 aacgaaagga acgcaagaac agaatgaaga aagtcagggg gactgcaaag gccaatgttg 480  
 gtgctggcaa aaagccgaag gagtaagggt gctgcaatga tgttagctgt ggccactgtg 540  
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<210> 37  
 <211> 597  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (15)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (32)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (556)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (558)  
 <223> n equals a,t,g, or c

<220>

<221> misc feature  
 <222> (567)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (590)  
 <223> n equals a,t,g, or c

<400> 37  
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 gtccggcagc gccagcccta cactcgcccg cgccatggcc tctgtctccg agctcgccctg 180  
 catctactcg gccctcattc tgcacgacga tgaggtgaca gtcacggagg ataagatcaa 240  
 tgccctcatt aaagcagccg gtgtaaatgt tgagcctttt tggcctggct tgtttgcaa 300  
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 tccagcagct ggtgctgcac cagcaggagg tcctgcccc tccactgctg ctgctccagc 420  
 tgaggagaag aaagtgaag caaagaaaga agaatccgag gagtctgatg atgacatggg 480  
 ctttgggtctt tttgactaaa cctcttttat aacatgttca ataaaaagct gaactttaaa 540  
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<210> 38  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (79)  
 <223> n equals a,t,g, or c

<400> 38  
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 gaggagacca tcgagggcat gctcctcagg ctggaagagt ttgacgcct ggctgacctg 180  
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 acagaaatgc gtggcatcta tgccaaagt gaccggctag aggccttcgt caagatggtt 300  
 ggacaccacg tcgccttcct ggaagcagac gtgcttcagg ctgagcggga ccatggggcc 360  
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 gggttttttc tttgtattgc tggtt 624

<210> 39  
 <211> 1029  
 <212> DNA  
 <213> Homo sapiens

<400> 39  
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1029

&lt;210&gt; 40

&lt;211&gt; 1107

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1098)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1106)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 40

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gaaaactgcg agccagcatt acccccggga ccattctgat catctcact ggacgccaca 180
ggggcaaggt gagagtacct gtgcttgggg cgcttcactg cagctgcctg gggtgccctgg 240
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agcagcgcaa gattgatcag aaagctgtgg actcacaat tttaacaaaa atcaaagcta 900
ttcctcagct ccagggttac ctgcgatctg tgtttgctct gacgaatgga atttacctc 960
acaaattggt gttctaaatg tcttaagaac ctaattaaat agctgactac aaaaaaaaaa 1020

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<210> 41  
<211> 1051  
<212> DNA  
<213> Homo sapiens

<400> 41  
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atgatggaag ccagatgga acaagggatg ttgctgaaca gttggagaag atctatgggt 240  
cagacagaat tcttctaaga ccacgagaga aaaagttggg actaggaaact gcataatattc 300  
atggaatgaa acatgccaca ggaactaca tcattattat ggatgctgat ctctcacacc 360  
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atgaaatagt atctttcttg aaaggattat tgactctttt tgctactaca taaaagaaag 780  
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tatgaagacc acctatttta tatttcaaat taaataattt taaagttgct ggcctaata 960  
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<210> 42  
<211> 2192  
<212> DNA  
<213> Homo sapiens

<400> 42  
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gcccctctg aaatgctgga cccctggcc ctctggtcc tgctggcaaa gaagcggca 240  
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2192

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<210> 43
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

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<400> 43
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catggtggct gaaaagcggc tcattcccaga tggctgtggg gtcaagtaca tccccagtcg 180
tgccctctg gacaagtggc gggccctgca ctcatgaggg ctccaatgt gctgcccccc 240
tcttaatact caccaataaa ttctacttcc tgtccaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aag
353

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<210> 44
<211> 3490
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature

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&lt;222&gt; (782)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2298)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 44

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gaaaaaaaata aaactcaaaa agctttgtgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3480
aaaaaaaaactt                                     3490

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&lt;210&gt; 45

&lt;211&gt; 781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (750)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 45

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t                                                                 781

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&lt;210&gt; 46

&lt;211&gt; 1431

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 46

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&lt;210&gt; 47

&lt;211&gt; 1913

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1878)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1896)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



<222> (1905)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> misc feature  
 <222> (1907)  
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 <211> 1761  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 48  
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<210> 49

<211> 956

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<400> 49

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ssing

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<210> 50

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 50

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gtccccacag cccacaggat ggaccaaagg gggcaggatg ctgacccctc cgctggcttc 360
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ttgtcctatt ccttcctagc ttccctgcaa taaaatcaag ctgcttttgt tggaaaaaaa 480
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563

<210> 51

<211> 3215

<212> DNA

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3196)  
<223> n equals a,t,g, or c

<400> 51  
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cgctcccttc cctccatagc cacgctccaa accccagggt agccatggcc gggtaaagca 180  
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<210> 52

<211> 626

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<400> 52

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<210> 53

<211> 920

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (725)
<223> n equals a,t,g, or c

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gtctgattag ggaccgtttg gagggagcca ttcacctaca ggagcaggac atggagaact 480
caagacaggt cctgaactcc tatgaggtcc ttggggagga gtttgacagg ctggtgaaag 540
agtacaccgt actcaagcag gcaacagaga acaagcgggtg ggccctccag gagttcagca 600
aggtctaccg ttgagcntcg ncagggccag gagacatggc ttctgcatag ctgctgcctc 660
ctaactcttc tgctagtggg accaccttca cctggggctg ccttcagtag aagggagtg 720
ggaanatttt acgcttgaaa cactgcagtc atttaggcac tctcctgggt tctctttatt 780
ttttatgact gggcctcttc tggaaaatct agcaaggaga tttatataat ttttatgcat 840
agctgtgtgt cagtgtcagc cctgtattgt atttgattat ctcctgaata aagttatgat 900
attawaaaaa aaaaaaaaaa 920

```

```

<210> 54
<211> 1090
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1024)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1034)
<223> n equals a,t,g, or c

```

&lt;400&gt; 54

```

gagtaaccca gaaatgatgt tgcatttttt gctttacctg ataattgaaa ctttcaacaa 60
tctctggagt gactttttct cctcgaattg aaacaagtct atggcaaaag aagctgcatt 120
tttttcacaa aagggaagat ggtaacaatg gtcacttcaa acttttgggc taaattatat 180
gtacacagaa atggtcaaaa tcatagtttt aatgtgtttt gaaaaggcca cacaattata 240
ctttatcttt tcttaataat cctgcaaatc tctgccctgg aatccgaaat ctgaaaatgt 300
actggcttga acaaaatttg ttttgtgtgt tagagttata aatcattaat ctttatttctg 360
ggtgggtttac gtttatgcca gtccctttat atttaaattt cttgttttat atattttgaa 420
tgtctttata gatttcctta aatttcctta tagaaccatt aatagaaaat cattacattt 480
aaaatatacc ttacagcaaa agcatccaaa taagtatagg gtttatgtcc ttatttttct 540
ttcagctgaa tacgaatgaa cacagtgggt gaatttctga agggaaagtg tgaaattata 600
tttatttcag tgggcacttt tccattttac cactgtacca ttatttgggt cctggagtta 660
tacactaatt ttcagtatat tactgttaaa ttaccaacac aaggcaattt atttgaaaga 720
ttccgtttat cctgcacttg ctttgaaaag cagcaggaaa cgaaatcctt tgactgtgat 780
cagcttctgc agagcatctt tgttttctt tgcctttgt ttcctacctt ttgaatcaga 840
ttccgtttta gtcaggaaga cttcttggga ccattcttag taacctgaaa ttcttttttt 900
aattgcatga agtggattga tcatgagcaa atgatgtgct tatttctccc tcaactgtga 960
atatctttga acttgctgtt ttcaatatgg gcagcacaaa ggtgagagat acatattaat 1020
agtngtatgt attnctctta tacattagat acctatattt aaatgaaagg gccaatattgt 1080
aaacatatata
1090

```

&lt;210&gt; 55

&lt;211&gt; 1464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (766)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 55

```

ccgctccgga attcccgggt cgaccacgc gtcgcccac gcgtcgccca cgcgtccggg 60
gacgctctca gctctcggcg cacggcccag cttccttcaa aatgtctact gttcacgaaa 120
tcctgtgcaa gctcagcttg gagggtgac actctacacc cccaagtgca tatgggtctg 180
tcaaagccta tactaacttt gatgctgagc gggatgcttt gaacattgaa acagccatca 240
agaccaaagg tgtggatgag gtcaccattg tcaacatttt gaccaaccgc agcaatgcac 300
agagacagga tattgccttc gcctaccaga gaaggaccaa aaaggaaact gcatcagcac 360
tgaagtcagc cttatctggc cacctggaga cggtgatttt gggcctattg aagacacctg 420
ctcagtatga cgcttctgag ctaaaagctt ccatgaaagg gctgggaacc gacgaggact 480
ctctcattga gatcatctgc tccagaacca accaggagct gcaggaaaatt aacagagtct 540
acaaggaaat gtacaagact gatctggaga aggacattat ttcggacaca tctggtgact 600
tcgcgaagct gatggttgcc ctggcaagg gtagaagagc agaggatggc tctgtcattg 660
attatgaact gattgaccaa ctatctcggg atctctatga cgctggagtg aagaggaaa 720
gaactgatgt tcccaagtgg atcagcatca tgaccgagcg gagtgncccc acctccaga 780
agtatttgat aggtacaaga gttcacagccc ttatgacatg ttgaaaagca tcaggaaa 840
ggttaaagga gacctggaaa atgcttttct gaacctgggt cagtgcattc agaacaagcc 900
cctgtatttt gctgacggc tgatgactc catgaagggc aaggggacgc gagataaggt 960
cctgatcaga atcatggtct cccgcagtga agtggacatg ttgaaaatta ggtctgaatt 1020
caagagaaag tacggcaagt ccctgtacta ttatatccag caagacacta agggcgacta 1080
ccagaaagcg ctgctgtacc tgtgtggtgg agatgactga agcccagcac ggcctgagcg 1140

```

```

tccagaaatg gtgctcacca tgcttcacg taacaggtct agaaaaccag cttgcgaata 1200
acagtccccg tggccatccc tgtgaggggtg acgttagcat tcccccaac ctcatttttag 1260
ttgcctaagc attgcctggc cttcctgtct agtctctcct gtaagccaaa gaaatgaaca 1320
ttccaaggag ttggaagtga agtctatgat gtgaaacact ttgcctcctg tgtactgtgt 1380
cataaacaga tgaataaaact gaatttgtac tttaraaaaa aaaaaaaaaa aactyrgggg 1440
ggggcccgka cccattggcc ttag
1464

```

<210> 56

<211> 985

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (647)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (875)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (962)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (973)

<223> n equals a,t,g, or c

<400> 56

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agaagtgtct agtgttcaat gcagctgggg tgaaacccca ggggcaaggt ggctggcttt 60
gatctggacg ggacgctcat caccacacgc tctgggaagg tctttccac tggccccagt 120
gactggagga tcttgtaccc agagattccc cgtaagctcc gagagctgga agccgagggc 180
tacaagctgg tgatcttcac caaccagatg agcatcgggc gcgggaagct gccagccgag 240
gagttcaagg ccaaggtgga ggctgtggtg gagaagctgg gggccccctt ccagggtgctg 300
gtggccacgc acgcaggcct gtaccggaag ccggtgacgg gcatgtggga ccactctgag 360
gagcaggcca acgacggcac gcccatatcc atcggggaca gcatctttgt gggagacgca 420
gccggacgcc cggccaactg ggccccgggg cggaagaaga aagacttctc ctgcgccgat 480
cgcctgtttg cctcaacct tggcctgccc ttcgccacgc ctgaggagtt ctttctcaag 540
tggccagcag ccggtctcga gctcccagcc ttgatccga ggactgtctc ccgctcaggg 600
cctctctgcc tccccgagtc caggggccctc ctgagcgcca cccggangtg gttgtcgag 660
tgggattccc tggggccggg aagtcacct ttctcaagaa gcacctcgtg tcggccggat 720
atgtccacgt gaacagggac acgctaggct cctggcagcg ctgtgtgacc acgtgtgara 780
cagccctgaa gcaagggaac cgggtcgcca tcgacaacac aaaccagac gccgcgagcc 840
gcgccaggta cgtccartgt gcccgagccg cggngtacc cctgccgctg cttcctcttc 900
accgccactc tggagcaggc gcgccacaac aaccgggtga gcccgcttca gcccgggaca 960
cnccccgggg atngcacccc ctgga
985

```



<210> 57  
<211> 1246  
<212> DNA  
<213> Homo sapiens

<400> 57  
ctcagagtcg cgaggccgga cgcagcgcgc gccgccccac tcgccccagc cgccgccatg 60  
aaggccgtgg tgcagcgcgt caccgcggcc agcgtcacag ttggaggaga gcagattagt 120  
gccattggaa ggggcatatg tgtgttgctg ggtatttccc tggaggatac gcagaaggaa 180  
ctggaacaca tgggccgaaa gattctaaac ctgcgtgtat ttgaggatga gagtgggaag 240  
cactggctga agagtgtgat ggacaaacag tacgagattc tgtgtgtcag ccagtttacc 300  
ctccagtgtg tcctgaaggg aaacaagcct gatttccacc tagcaatgcc cacggagcag 360  
gcagagggct tctacaacag ctctctggag cagctgcgta aaacatacag gccggagcct 420  
atcaaaagatg gcaagtttgg ggcctacatg caggtgcaca ttcagaatga tgggcctgtg 480  
accatagagc tggaaatcgcc agctcccggc actgctacct ctgacccaaa gcagctgtca 540  
aagctcga aaacagcagca gaggaagaa aagaccagag ctaaggggacc ttctgaattc 600  
aagcaaggaa agaaacactc cccgaaaaga agaccgcagt gccagcagcg gggctgaggg 660  
cgacgtgtcc tctgaacggg agccgtagct caggaggcag aattcagtggt gttatcattg 720  
ggcagaactg gatcctgaaa aattcaagat gctaagcacc tacactactt taagaatttg 780  
gaactgaaac atgaagagga agacagaaat aagaatttgg gaacctgaat agctctgcaa 840  
aaaacaccaa aggaccgttt tatcgttttc tgttgttgct gtggtggagt gatgcagtgg 900  
gcactkccsg tgggcccagg ggcgggtgcg catgtggtag aaggtgtgcg ctctgtccctc 960  
ccccacagaa aggcctttgtt ggtttctacc acatcttggc ttgcttttgg aacaggcttg 1020  
ccccagcatc atttgtcatc aagtccactg tgggtgtattc tgcgtgtcca tggcgggggt 1080  
tctccaayac actcacactg tccatgttct ttttattgcc agggcccgtg ttgaagtgtc 1140  
aagagagcaa tcatcaatga taatgtattg tgtgagacct ttgcattctg taaattttct 1200  
cttttttcta aaaataaata ataataaaat cctaaatctc aacaaa 1246

<210> 58  
<211> 1966  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1926)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1942)  
<223> n equals a,t,g, or c

<400> 58  
gggagaaaga tccttcactc acagaaccag ttattagggg gttaatgaaa ttttggccta 60  
aaacatgtag tcaaaaagag gtcatgttcc ttggggactg gaagaaatat tggatgtgat 120  
tgaaccttca caatttgtaa aaatccaaga acctttgttt aaacaaatcg ccaagtgtgt 180  
atctagcccc cattttcagg tggcagaaag agcactctat tattggaata atgaatacat 240  
catgagtttg atagargaaa actctaactg catccttccc atcatgtttt ccagccttta 300  
taggatttca aaagaacatt ggaatccggc tattgtggcg ttggtgtaca atgtgttgaa 360  
ggcattttat gaaatgaaca gcaccatggt tgacgagctg acagccacat acaagtcaga 420

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tcgtcagcgt gagaaaaaga aagaaaagga gcgtgaagaa ttgtggaaaa aattggagga 480
tctggagtta aagagaggtc ttagacgtga tggaataatt ccaacttaac aaaaacaatg 540
acaacaacat tactaacctg tggagtcaca cgtttatgta gtagaagatg gagcaacagt 600
tttctgtatt gtgcaacttt acagtagatt tcacctttgt ttcattatta cagcagcact 660
gtatatacct gtctctaagt aaaggaaaaa acaaaataag gacttcaatc caaagtttgg 720
acagtagatg gacttctcag aactttgcaa acataatcat tgttctcacc ctcttttaaa 780
aaaaaaaaatc ggtcttcaaa gatctgttga tgaaattgct atgttaaaat tccattatcg 840
ggagttcctt atttatcact agcagagagt atgatacaat tttcaaatgt gaacaatctt 900
aaatttagct tgtctttctg ctaagctggt aaatgtattt atagttaaagg aagaaaaaaa 960
gactgtcatt tccttataag tttgtgtaac atcctcctct ggataacttg actgtaattt 1020
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attataaaag tccctgataa aagttttggt tactggggtg aacatctttc cagtaaccag 1140
gtagtccctg tactccttta gttttaaaat taggagttaa gagagaagag gtgataaaca 1200
tagtagggaa gggaatatcg gattcatgca tcagtttatg gtgaatccaa atcaatgtct 1260
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tgcatatatac attgaacaca cataccagag atgttttaga aatgtgagaa aaacatcctt 1380
ttggaccatt tgaataaaga aagacaaaaca ctaaacaata caaccatgaa attgatcacc 1440
gggattgcaa atctaattgg gaaaagagtt gagcaaacag ctggactgt ttggagtgtg 1500
tgccttactt ttaatatgtt atttataaag tattccagca aaagaggatg tagcctctgg 1560
gaaaaaacaa acatgtttaca gtgttttttg tagattctcg ttctatatct catcacagcg 1620
ccagccctgt ttttagccgg aaaggattca ggataaacat tattatgcat tctgaattgg 1680
atgcatactc ctaactactg tatttggttac caaaagtggg tctacaaatg ctactgaaaa 1740
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caaaggtgca tcgtgaccaa attgtttaaa aaaaaaaac aaaaaaaca aaatctaggg 1860
ctgtatttta tatatatata tatatatata tatatatata tatatatatg 1920
cttatnggac tctctgcttt gntatttttaa taaaaaatct tacatc 1966

```

&lt;210&gt; 59

&lt;211&gt; 1611

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 59

```

cgcgtcngtg cgaattcggc acgaggggac ttcccagagc tcacaatgga ggttgatggt 60
aaggtagagt caattatgaa gaggacagct ttggtagcca atacctcaa tatgcctggt 120
gctgctagag aagccyctat ttatactgga atcacactgt cagagtactt cagtacatg 180
ggctatcatg tcagtatgat ggctgactct acctctagat gggctgaggg cttagagaaa 240
tctctggctg tttagctgaa atgcctgcag atagtggata tccagcctat cttggtgccc 300
gtctggcctc gttttatgaa cgagcaggga ggggaaatg tcttggaat cctgaagag 360
aagggagtgt cagcattgta ggagcagttt ctccacctgg tgggtgattt tctgatccag 420
ttacatctcg cactcttggg atcgttcagg tgttctgggg cttagataag aaactagctc 480
aacgtaagca tttccctctt gtcaattggc tcatcagcta cagcaagtat atgcgtgctc 540
tggatgaata ctatgacaaa cacttcacag agttcggtcc tctgaggacg aaagctaagg 600
aaattctgca ggaagaagaa gacctggcag aaattgtaca gcttgtggga aaggcttctt 660
tggcagaaac agataaaatc actctggagg tagcaaaact tatcaaagat gatttcctac 720
aacaaaatgg atatactcct tatgacaggt tctgcccatt ctacaagaca gtagggatgc 780

```

```

tgtccaacat gattgcattt tatgatatgg ctcgtagagt gtttgaaacc actgcccaga 840
gtgacaataa aatcacatgg tccattattc gtgagcacat gggagacatc ctctataaac 900
tttctcccat gaaattcaag gatccactga aagatgggtga ggcaaagatc aaaagcgact 960
atgcacaact tcttgaagac atgcagaatg cattccgtag ccttgaagat tagaagcctt 1020
gaagattaca actgtgattt ccttttccctc agcaagctcc tatgtgtata ttttctgaa 1080
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gtgtgtgtaa gggcctccct cttcctttat ctgaagtggg gaatatagta aatatacatt 1260
ctggttacac tactgtaaac ttgtatgtag ggtgatgacc ctctttgtcc taggtgtacc 1320
ctttcctcat ctctattaaa ttgtaaacag gactactgca tgtactctct ttgcagttaa 1380
tttggatgg aaggccaggt ttctataact ttgaacagg tactttgtga aatgactcaa 1440
tttctattgt ggtaagctca ttggcagctt agcattttgc aaaggaattg ctttgcagga 1500
aatatttaat ttcaaaaac ataagtatta atgttccaat tatgcatcac ttccccagk 1560
ataaaycagg aatgkttgtg agaaaccatt gggaactata ctcttttta a 1611

```

<210> 60

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (977)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1846)

<223> n equals a,t,g, or c

<400> 60

```

gattccccggg tcgaccacg cgtccgcgcg gaatctcagt tagcgggtgga gaggcagtat 60
gtccgggttca atggcgactg cggaagctag cggcagcgan tgggaaaggg caggaaagtcg 120
agacctcagt cacctattac cggttgagg aggtggcaaa gcgcaactcc ttgaaggaac 180
tgtggcttgt gatccatgg cgagtctacg atgtcacccg ctctctcaac gaccacctg 240
gaggagaaga ggttctgctg gaacaagctg gtgtagatgc aagtgaagag ttgaagatg 300
taggacactc ttctgatgcc agagaaatgc taaagcagta ctacattggg gatattccac 360
cgagtgcct taaacctgaa agtggtagca aggaccttc aaaaaatgat acatgcaaaa 420
gttgctgggc atattggatt ttacctatca taggcgctgt tctcttaggt ttctgtacc 480
gctactacac atcggaaagc aaatcctcct gaggagcct tgctgaagtt agaaagtga 540
tccactttgg ggcgaaaact agagacttgc ttgggggctg cagaagtgc ctctcctga 600
atcctgccag ttgcattctt ccccttggga gccaaagcga ttggccagac atcacctcag 660
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ccgtgttgaa caattgccg tggttctct ctctactggt ttccatgagt acccttatat 780
ttcacaaact tctgttcata agttatagtg acattgctct ttggtaaaaa tgctgcttt 840
ccaatacttt gattgcatat tagacattct taacagggcg gcagtctagt gttgaaagtt 900

```

```

ttatttttcc atttttcttt taagtaaatt ttttttaaaa aattctgatt tagggctagg 960
tgtgggtggc caggccngta atcckggcac ttkgggrggc caaggtggga agatcgsttg 1020
aggccaagag ttcaagacca gcctgggcaa catagcgaga cccctatctg tattaaaaaa 1080
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aaagaatggt gtggccacct cctccctttc aagctagggc agcaggtagc tcttcccagc 1260
ccctgagccc agccccttcc caagtgggtg cggacaaaaa actacatggc cctttcgtgt 1320
cttgggggtg gaaagggagg gatgaattgg ggtgatagaa ccctggtgaa ttcagagtaa 1380
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cttttatagg taaaatataa atgtataatt atgtttgtag agctttacca aggagtttcc 1560
ctcctttttt gtttgttgat tagcaaatat ttgattctcc attttccaaa agtaagagac 1620
tccagcatgg cttctctgtt gccccgcagt aaagtaactt ccatataaaa tggatattga 1680
aagtggaggt tcatgacaac agaccgtttt ccatttcata tgtattttat ctccgtgact 1740
ccaacttggt ggtttgttct gtttttccat gagaataaaa tactggcggg ttttttcaaa 1800
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggngnga 1849

```

```

<210> 61
<211> 233
<212> DNA
<213> Homo sapiens

```

```

<400> 61
aagggtcggc ctctcaaagt gctgggatta caggcattag ccactgtgcc tggccaagaa 60
taaaaatttt ttaatcttga gaaraacat acagktcata catataaaaa gccttgaaaa 120
tattattccc ttgactcac taattacact gctggaatat aaagaaatga tcctaaatat 180
atatgtagtt ttatggtcct aaatatgtat aaagctttat gatcactcgt gcc 233

```

```

<210> 62
<211> 2333
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (14)

```

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2331)

<223> n equals a,t,g, or c

<400> 62

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cgnCGnnccg cganccacg cgtccgggtg aagatatgtg gacttagtcc cactacaacc 60
ttagccatat attttgaggt tgtcaatcag cataatgctc caattcytca aggaggggcgt 120
ggtgcaatcc agtttgtgac tcagtatcag cattcaagtg ggcagagacg catccgagtg 180
accaccattg ctaggaaactg ggcagatgct caaactcaaa tccaaaaacat tgctgcatct 240
tttgaccagg aggcagctgc cattcttatg gcccggttag caatatatag agcagaaaca 300
gaagaagggtc cagatgtgct taggtggctg gacagacagc tcattcgact gtgtcagaaa 360
tttgagaaat atcataaaga tgaccaagt tccttcagat ttccagaaac ttctccctt 420
tatccacagt ttatgtttca tttaagaaga tcttcttcc tgcaagtttt taacaatagt 480
ctgatgaga gtccatatta tcgtcaccat tttatgcgtc aagatctgac ccagtctcta 540
attatgattc agcctatcct gtatgcgtat tcttttagtg gaccaccaga gccggttctt 600
cttgatagca gtagcattct tgcagatcgt attcttctca tggacacatt cttccagatt 660
ttgatttatt atggtgagac catagcacag tggcggaagt caggatacca ggatagcct 720
gagtatgaaa atttccgcc ccttctgcaa gcccagtggt atgatgcaca ggaattctt 780
cactccagat ttccaatgcc aagatacatt gacactgaac atggaggcag ccaggcccg 840
ttctccctt caaaagtcaa ccttcacag actcataata atatgtatgc ctgggggag 900
gagtcgtgag cactattct tacagatgat gttagtctac aagtgtttat ggatcacttg 960
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gatgaaataa tattcaaat tcatttttcc ctttttccat ttatctgttg aaaccaacag 1080
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<210> 63

<211> 1470

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1419)

<223> n equals a,t,g, or c

<400> 63

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<210> 64

<211> 939

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 64

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939

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<210> 65

<211> 2068

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<400> 65

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acaagccctg aacgagcacc tcagcacgcg tagtatgtcc aggggtactc actgtcccag 180
gcagacgtgg acgcgttcag gcagctctcg gcccgcgccg ctgaccccca gctctccac 240

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2068

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<210> 66

<211> 1391

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c



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<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1358)
<223> n equals a,t,g, or c

<400> 66
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1391

<210> 67
<211> 659
<212> DNA
<213> Homo sapiens

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<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (585)  
<223> n equals a,t,g, or c

<400> 67  
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<210> 68  
<211> 2981  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2858)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2948)  
<223> n equals a,t,g, or c

<400> 68  
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gaaacttact tgaagaagat tcctggattt tgtgaagggg gatttaaaat ccatgaggct 360

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gataataatg cagataaaga ttgtgatgtg ctggttggtt ataaagctgt gtatcggatc 420
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2981

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&lt;210&gt; 69

&lt;211&gt; 603

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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<222> (584)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (590)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (595)  
<223> n equals a,t,g, or c

<400> 69  
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<210> 70  
<211> 1101  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1080)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1081)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1090)  
<223> n equals a,t,g, or c

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<400> 70
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actgccaaat tccataagtg gagcctctcc gtgaagaatt ttacaatgaa tgaaaagtta 480
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gagtgggaaga atttggtatg catttcccat gcacctaatg ctgtgaaaac cgcattttat 660
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gaaggaggaga aagcattgat ttatcagttc agtccaattt atactggaaa tatttcttca 780
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gattcttttc tataatgtgc ctggctctga ttcttcattc tgtatgtgac tatttatata 960
acattagata attaaatagt gagacataaa tagagtgttt tcatgggaaa agccttctta 1020
tatctgaaga ttgaaaaaaa taaatttact gaaatacaaa aaaaaaaaaa aaaaaaaatn 1080
nctcggctcg caagggaatt c
1101

```

```

<210> 71
<211> 714
<212> DNA
<213> Homo sapiens

```

```

<400> 71
ggcagagaaa ctgtggcggg atagttttct ggtccttgct cagtgaacac cctcggctgg 60
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gacagtgttc caggcactta cagaaaagtg gtggctgctc gagccccag aaagggtgctt 180
ggttcttcca cctctgccac taattcgaca tcagtttcat cgaggaaaaga gcatgtcctt 240
tgcaacctga tcacacaaat gatgaaaaag aatagaactt tctcattcat ctttgaaataa 300
cgtctccttg tttaccctgg tattctagaa tgtaaattta cataaatgtg tttgttccaa 360
ttagctttgt tgaacaggca ttttaattaa aaatttaggt ttaaatttag atgttcaaaa 420
gtagttgtga aatttgagaa tttgtaagac taattatggt aacttagctt agtattcaat 480
ataatgcatt gtttggtttc ttttaccaaa ttaagtgtct agttcttgct aaaatcaagt 540
cattgcattg tgttctaatt acaagtatgt tgtatttgag atttgcttag attgtgtgac 600
tgctgccatt tttattgggt ttgtattatt ggaatgggtc catattgtca ctccttctac 660
ttgctttaa aagcagagtt agatttttgc acattaaaaa attcagtatt aatt
714

```

```

<210> 72
<211> 2890
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

```

<220>  
 <221> misc feature  
 <222> (2853)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2882)  
 <223> n equals a,t,g, or c

<400> 72  
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 ttcaagaaga agctcttctg gagggcagtg gtggccgagt tcctggccac gaccctcttt 120  
 gtcttcatca gcatcgggtt tgccctgggc ttcaaatacc cggtggggaa caaccagacg 180  
 gcggtccagg acaacgtgaa ggtgtcgtg gccttcgggc tgagcatcgc cacgctggcg 240  
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 ctcagctgcc agatcagcat ctctcgtgcc ctcatgtaca tcacgcccc gtgctgggg 360  
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 ggccgmaatg acctggctga wgggtgtgaac ttggggccar ggccctgggca tcgagatcat 480  
 cgggaccctc cagctggtgc tatgctgct ggctactacc gaccggaggc gccgtgamct 540  
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 attgactaca ctggctgtgg gattaacct gctcggctct ttggctccgc ggtgatcaca 660  
 cacaacttca gcaaccactg gattttctgg gtggggccat tcacggggg agccctggct 720  
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 aaagtcaact ccccaagatc tgccagacct gcatggtcaa gcctcttatg ggggtgttct 1020  
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 caattcaccc actcccttga agttgtggag gaggtgaaag aaagggacct acctgctagt 1140  
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 gaaagacctt gatgcaggtc agcccatgga ggcagatgcc ctgtctgggc ctgggggttt 1980  
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 tctacataag tcctttcaat tccaccaggg ccagagcagc tccaccactg tgcacttagc 2280  
 catgatggca acagaaaacca agagacacaa ttacgcaggt atttagaagc agagggacaa 2340  
 ccagaaggcc cttaactatc accagtgcac cacatctgca cactctcttc tccattccct 2400

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agcaggaact tctagctcat ttaacagata aagaaactga ggcccacggt ttcagctaga 2460
caatgatttg gccaggccta gtaaccaagg ccctgtctct ggctactccc tggaccacga 2520
ggctgattcc tctcatttcc agcttctcag tttctgcctg ggcaatgccg ggggccagga 2580
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tttcattata tgtaaagaaa ataaaggaaa atgacttgta aggtcaaaaa aaaaaaaaaa 2760
aaaaaaaaaa aaaaaggggcg gccgttctag gaggatccaa gcttacgtac ggggtgcatgg 2820
gacgtcatag ctcttcttta agtgtcacc ccaattcaatt cattgggcct cgtttttaca 2880
antcgtgact
2890

```

```

<210> 73
<211> 2488
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2412)
<223> n equals a,t,g, or c

```

```

<400> 73
ggcagagtga ccacgtccca tactgggaga ggcttctggg tcaaaggacc agtctgcaga 60
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agagacaggg ttctgccatc ttggccaggg ttggtctcaa ctccctgacct ctggtgatcc 180
accgcctcgc gcctcccaaa gtgtagggat tacagggtgt agccaccgca cccggccagg 240
gcacccctct ctctaacaca ggaatctgggc atccagncac ggccatgacc cctccaaggc 300
tcttctgggt gtggctgctg gttgcaggaa cccaaggcgt gaacgatggt gacatgcggc 360
tgcccgatgg gggcgccacc aaccagggcc gcgtggagat ctctctacaga ggccagtggg 420
gcaactgtgt tgaacaacct gtgggnacct gactgatgcc agcgtcgtct gccgggccct 480
gggcttcgag aacgccacc aggcctctggg cagagctgcc ttcgggcaag gatcaggccc 540
catcatgctg gacgaggtcc agtgcacggg aaccgaggcc tcaactggccg actgcaagtc 600
cctgggctgg ctgaagagca actgcaggca cgagagagac gctggtgtgg tctgcaccaa 660
tgaaaccagg agcaccacac ccctggacct ctccaggagg ctctcggagg cccttggcca 720
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cgccctgggc ttctgtggcc acacggtcat cctgactgcc aacctggagg cccaggccct 840
gtggaaggag ccgggcagca atgtcaccat gagtgtggat gctgagtgtg tgcccatggt 900

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```

cagggacttc tcaggtactt ctactcccga aggattgaca tcacctgtc gtcagtcaag 960
tgcttccaca agctggcctc tgcctatggg gccaggcagc tgcaaggcta ctgcgcaagc 1020
ctcttttgcca tcttccctccc ccaggacccc tcgttccaga tggccctgga cctgtatgcc 1080
tatgcagtgg ccacagggga cgccctgctg gagaagctct gcctacagtt cctggcctgg 1140
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gacacctgga gctgggggga gcgtgcctcc catgaggagg tggagggtt ggtggagaag 1320
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tactggagcc acgaggccct gttccagaag aagactctgc aggccctgga attccacct 1440
gtgcccttcc agttgctggc ccggtacaaa ggccctgaacc tcaccgagga tacctacaag 1500
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caggagttct cccaccacct caccagtctc cagggtgtaa gcaccaggac gccctcgagg 2280
ttgtcttggg atccccccac agcccctggt cagtctgccc ttgtcactgg tctgaggtca 2340
ttaaattac attgaggttc ctaaaaaaa aaaaaaaaa aaaaaaaaa aaaaaaagg 2400
gsggcgctc tngaggatcc ctcgaggggc ccaagcttac gcgtgcatgc gacgtcatag 2460
ctctctccct ataattggaat cgtattat

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2488

&lt;210&gt; 74

&lt;211&gt; 711

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (696)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 74

```

ggcacgagcc ggagtggtcg gtgggtggga tggaggcgac cttggagcag cacttggaaag 60
acactatcta tgtaaaattc aaaactggaa aagtataaag ggtacagaga gacacctgcc 120
tcccaccgat gtccctcagc ttccacttac cctccaggag aatgaagaat cctccattg 180
ttggagtcct gtgcacagat tcacaaggac ttaatctggg ttgccgggg accctgtcag 240
atgagcatgc tggagtata tctgttctag cccagcaagc agctaagcta acctctgacc 300
ccactgatat tctgtgtgtg tgtctagaat cagataatgg gaacattatg atccagaaac 360
acgatggcat caggtggga gtgcacaaaa tggcctcttg atgctcatat ctgttcttca 420
gcagcctgtc ataggaactg gatcctacct atgttaatta ccttatagaa ctactaaagt 480
tccagtagtt aggccattca tttaattgtc attaggcact tttctgttta tttaagagtc 540
aattgcttcc taatgtctta tggaccgact atcaagatat tagtaagaaa ggatcatgtt 600
ttgaagcaga aggtccaggc cactttgtat atagaatttt gctgtattca ataaatctgt 660
ttggaggaaa aaaaaaaaa aaaaaattac tgcggnccga caagggaatt c

```

711



```

<210> 75
<211> 906
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (889)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (894)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (897)
<223> n equals a,t,g, or c

<400> 75
nctncccata accatgtttcc catgtgggtg gtcgatgggg ctgcagaagg ccgggaggag 60
ccgctggggc agcctgggtgc tccggcatag acgtgtgttg gtgggtcaagg cagggtcactc 120
tgccctctctg agcctcagtc ttctgccagt gacgcaggga gacggcactg actgcctccc 180
aggagcgtcg gtggcctgca gaagatgcgc aggaagctgg gmctcgtgca ggtggagctg 240
gaggaagacg gggcgctggt gtccaagctc ctggagacca tgcactaac cgggtgccgac 300
ttsacaaaca cttctactt gctgagctcc ttcccagtg agctagagtc gccaggcctg 360
gnsaattcc agtggatcc cgggcagcta tccatgatgc tgatgctggc gcagtcaaac 480
ttccggcccm agatggatcc cgggcagcta tccatgatgc tgatgctggc gcagtcaaac 480
ccgcagctgt tcgcgcttat gggcaccg gcaggcatcg ccaggagct ggagcgtgtg 540
gagcagcagt ctgcgctgga gcagctgagt gcggcagagc tgacagagcag gaaccagggc 600
cactgggctg actggctaca ggcgtacaga gccgggctgg acaaggacct ggaaggcgct 660
ggggacgctg ccgcctggca ggctkgagca cgtgcgcgtg atgcacgcca acaaccgaa 720
gtacgtgctg aggaactaca ttgcgcgaga atgccattcg aggttgccga gcgcggggat 780
ttttcagagg tgccggcgggt gttgaaatta ttgagaccc tttaccattg cgaggcgggg 840

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```

gccgccacaa gacggccgag gccacgggaa gccgacgggg gcggacggna aggnagnttt 900
cttaca                                           906

```

```

<210> 76
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

```

```

<400> 76
gaacactcta ttttatgcag gaatagcaga gatgantcat gggtgggaag acactagaat 60
tcagccagga gaatatcatt aaaagagggg gaagggaaaa cagacttttt gtgtggtaca 120
aaaacaaaac cctctgtatc attatgtgaa caacgggtgca aaaaagagga gacacagttt 180
acccatgggt agctaaactat gatagtgaag gttgccttga accttgtttt agaaaaatgg 240
caagtgtggg tctcactctt ctagtctctg a                                           271

```

```

<210> 77
<211> 673
<212> DNA
<213> Homo sapiens

```

```

<400> 77
ttcggcacga gggtgaccag cggcgggtca cgtgacgcgg tgccctgggc cgagcctccc 60
aagatggcgg tgtgcatcgc ggtgattgcc aaggagaatt accccctcta cattcgagc 120
acccttacgg agaacgagct gaagtccac tacatggtgc acacatctct ggacgtggtg 180
gatgagaaga tctccgcaat ggggaaggcc ctggtcgacc agagggagct gtacctgggc 240
ctgctctacc ccacggagga ctacaaggtg tacggctacg tcaccaactc caagggtgaag 300
ttgtcatggt tggtagattc ctccaacaca gcccttcgag acaacgaaat tcgcagcatg 360
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gaccgcatcc agtccagggc ctttgataac atggtgacgt cgatgatgat acagggtgtg 480
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gggtctgttc tggttgcctc ttccctgaatg ggacgcctgg ggcttttcagg gcaggcagct 600
gtgcatgttc tctcaactaa aggtcttgtg agaggaaaaa aaaaaaaaaa aaaaaaactc 660
ggggggggcc cgg                                           673

```

```

<210> 78
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<400> 78
cttgctttct ttcttacctc tgaaggagaa aagaaagttg ctacttacat gtttgaaaaa 60
cctctcaaat ctactcagtc aaaagathtt atgcttcaat ttggtcatat gttaagagtt 120
tagcttctaa actgatacct cagtagccca tagtttaag gagtaaagag tacatggatg 180
cttttggtac tactcagaag ctctgagttt ctgggccact gaaaccctga aaagtagcta 240
aatacgttca cttgctathtt taatccatca ctgtagatat gactcagtc ctttgttatt 300
ttcccccaat ttgaaacaat ttaatgtgct gaaaagataa ctttctcctt ttttctttct 360

```

ttttctc  
367

<210> 79  
<211> 1344  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1319)  
<223> n equals a,t,g, or c

<400> 79  
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ccctgctgga cagcggctgc atgcagctcc tatgaggccc ctgccgccg tcggcgatgt 120  
ccggctggag ctgtcgctc cggcgccgt gctgccggtg ccggttggtga gcgggtctcc 180  
agtcggctcc tctggcgctc tcatggcctc tagcagctcc ctggtgccc accggctgcg 240  
cctgccgctc tgttccttg gtgtctttgt ctgctatctt tactatggga tctgacagga 300  
aaagataaca agaggaaagt atggggaagg agccaagcag gagacgttca ccttgcctt 360  
aactttggtc ttcattcaat gtgtgatcaa tgctgtgtt gccaaagtct tgatccagt 420  
ttttgacct gccagggtg atcgtaccg gagctggctc tatgctgcct gttctatctc 480  
ctatctgggt gccatggtct ccagcaatc agcactacag ttgtcaact acccaactca 540  
ggtccttggt aaatcctgca agccaatccc agtcatgctc ctgggggtga ccctcttgaa 600  
gaagaagtac ccgttggcca agtacctgtg tgtgctgtta attgtggctg gagggtccct 660  
tttcatgtac aaacccaaga aagttgttgg gatagaagaa cacacagtcg gctatggaga 720  
gctactcttg ctattatcgc tgaccctgga tggactgact ggtgtttccc aggaccacat 780  
gcgggctcat taccaaaacag gctccaacca catgatgctg aacatcaacc ttgtgtgcac 840  
attgctgctg ggaatgggaa tctgtttcac tggggagctc tgggagtctc tgagctttgc 900  
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ccccatgcag tgggtgggca ctgtgcttgt gttcctgggt ctgtgtcttg atgccaagt 1140  
tgggaaagga gctaagaaga catcccacta ggaagagaga gactacctc acatcaagaa 1200  
tatttaagtt attatctcaa acagtgcac ctcttgggaa aatggactta ataggaaat 1260  
gggactgagt tccagctctt ttaataaaaa taaaatcaag caaaaaaaaa aaaaaaanc 1320  
ccgagggggg gcccggaacc caat  
1344

<210> 80  
<211> 3748  
<212> DNA  
<213> Homo sapiens

<400> 80  
gccgatttga accgaggatt tgggcggcag gaagagccgc ggcgtaacgg cagccatctt 60  
gtttgtttga gtgaatcgga aaggaggcgc cggctgtggc ggcggcgga gctgctcgga 120  
agctacacct cgcaagggt ccccccttc cccaccccc cccccgaccc ttttccccctc 180  
ccggggccac ccagcccgcc caactcccag cggagagcaa ggtttcttc tgtttcata 240  
gccagccaga acaatgttct acgcacattt tgttctcagt aaaagagggc ctctggccaa 300  
aatttggtc gggggccatt gggataagaa gctaaccaaa gcccattgtg tcgagtgtaa 360  
tttagagagc agcgtggaga gtatcatctc accaaagggtg aaaatggcat tacggacatc 420  
aggacatctc ttactgggag tagttcgaat ctatcacag aaagccaaat accttcttg 480

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3748

&lt;210&gt; 81

&lt;211&gt; 1891

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1869)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1879)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 81

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<210> 82

<211> 1954

<212> DNA

<213> Homo sapiens

<400> 82

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<210> 83

<211> 936

<212> DNA

<213> Homo sapiens

<220>

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<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (930)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (936)

<223> n equals a,t,g, or c

<400> 83

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<210> 84

<211> 1513

<212> DNA

<213> Homo sapiens

<400> 84

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1513

&lt;210&gt; 85

&lt;211&gt; 1298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 85

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1298

&lt;210&gt; 86

&lt;211&gt; 2009

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



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 <222> (1959)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (2008)  
 <223> n equals a,t,g, or c

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<210> 87  
 <211> 534  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 87  
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<210> 88  
 <211> 4302  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1015)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (4270)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (4274)  
 <223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4296)  
<223> n equals a,t,g, or c

<400> 88  
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&lt;210&gt; 89

&lt;211&gt; 2782

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (82)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (743)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 89

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gttttgcact tccccaatcc agaagacaag aaattggaag aaatcattca ccagattact 420

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2782

&lt;210&gt; 90

&lt;211&gt; 1037

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 90

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aatgaaatta tatagattag atctcagtat ttaaactgtt cctcaatttt gtgaggctgt 180
gttggaataa acccgctctt agtgctgttg gtatgcaagg cagcgggtgt taatcaatat 240

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<210> 91

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (962)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (965)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1048)

<223> n equals a,t,g, or c

<400> 91

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gatgttctct ctccacagct gaaagatgaa aattctaagc tgagaagaaa gctgaatgag 180
gttcaragct tctytraagc wcawacagaa atggtgagga cgcttgagcg gaagttagaa 240
gcaaaaatga atcaaggagg aaagcgacta ccacgacctg gagtcgggtg ttcagcaggt 300

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1052

&lt;210&gt; 92

&lt;211&gt; 1234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1115)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 92

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1234

&lt;210&gt; 93

&lt;211&gt; 1571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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 <222> (1497)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1516)  
 <223> n equals a,t,g, or c

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 <222> (1530)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1546)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1571)  
 <223> n equals a,t,g, or c

<400> 93  
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 cttccaccgt gtgtgtgtgt gtctgtgtgt gtacgctgt ttaaggagcg ctgtgtgtctg 1020  
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 ggaagatccc aaacacaaa gatggaaggt gaaaataaag actgcgtgac cgggaagaaa 1440



gtttgaatta ctaatagtgg ggaataataa tttcagtttt ggtttttaaac atctggnatt 1500  
 cctaaaaaaa aaaaaaanaaaa aaaaaaaacn cggggggggg cccggnaccc aattccccc 1560  
 aaaggggggg n 1571

<210> 94

<211> 1872

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1271)

<223> n equals a,t,g, or c

<400> 94

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 gggtttttttt tttttttttg atttaataaa gttttatttt tccaaatgta cagctgggtg 120  
 gacctattca tgcattctca ccagcagctg gagcatctcc acccttggtg tttctgggtg 180  
 aaattacttg agctctgtgc tttgaaacca gtttgataag tcctttacta aggagctcct 240  
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 tttggccttg ccccgggatt tgttcactgg gtctttgtct ttcttgggcg actttccagc 360  
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 accgcagcct cgtcaagatg tcggacaaaa aggaagcgct gctcagaaac gkqcccaaaa 480  
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 ggaagagggt gctggagtat ctgggtaacc ctgctaatta cccggtgtcc attcgatttg 1200  
 gccggccccg cctcacttct aatgagaagc ttatgctggc ctccatgttc cactcgtctt 1260

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cagatccctag gcaagctgga atagattctc ttctccgaaa gatttatgag atttactcag 1440
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<210> 95

<211> 1516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1505)

<223> n equals a,t,g, or c

<400> 95

```

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gccgaatctc cctaataccct gtgacctgtg tcacctctgc atcgcgagga gggggataag 180
tggggagaa gctggtgtca gatgggatgg cgccggaaga ggggtgccaca gcggggacgg 240
aaggcgcccc caccccaact ccacgggaat ataaacaatt tgtattttcc gatcaggtgg 300
cgggacaggg ttcatgtgga cagccctaac ccagctgctg aatgccagag gccacgaagt 360
acgtttgtct cccgaaagcc cgggcccggc cggatcacgt gggatgagct cgtgcacatg 420
gggtgcccga gctgcgatgc cggcgtcaac ctggccggag agaacatcct caaccctctc 480
cgaagatgga atgaaacctt caaaaaagag gttctcggca gccgcctaga gaccacccaa 540
ttgctggcta aagccatcac caaagcccca caaccccca aggcctgggt cttagtcaaa 600
ggtgtagctt actaccagcc cagtctgact gcggagtatg atgaagacag ccagaggagg 660
gactttgact ttttctccaa cctcgttaac aaatgggaag ctgcagccag gcttctctga 720
gattctacac gccaggtggt ggtgcgctca ggggttgtgc tgggcccgtg ggggtgtgct 780
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ttggtttctc tacatgtcct gcagctgccc cacttctcct ttacgtctgt tagagaatgc 1440
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ggggncccg acccat

```

<210> 96

<211> 1770  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (485)  
<223> n equals a,t,g, or c

<400> 96  
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gtcggacatt gaagcggtag ccatgccggc agwgtgaaca gtccttccac accccaaca 120  
gcctgcgcaa acacatccgc aacaaccatg acacagtaaa gaagttctac acctcggggt 180  
actgcacaga ggacagcccc agctttcctc ggccctccct tctggagagc cacatcagcc 240  
ttatgcatgg catcagaaac cctgatttga gccagacgtc caaagtgaaa cctccgggtg 300  
gacattcccc tcagggtgaac catctgaaaa gaccagtcag tggagtgggg gacgtcccag 360  
gcaccagcaa tggcgcaact gtctcttcca ccaaaaggca caagtccctt ttctagtgcg 420  
cgaaatgtag ttttgccaca gactcggggc tcgagtttca gagccacata cctcagcacc 480  
aggtnggaca gytccacagc ccaatgtctc ctctgtggtt tgtgtctacac ctctgccagc 540  
tccctcagcc gccacctctt cattgtccac aaggtgagag accaggagga ggaggaggaa 600  
gaggaggcgg cggcacggag atggcagtg aggtggcaga gcaggaggag gctccgggga 660  
rgargtgccc atggagacta gagagaatgg actggaagaa tgtgccgggtg agccyttgtc 720  
agctgaccca gaggcgagga gattgctggg cccggcccct gaggacgatg gtggcccaa 780  
tgatcacakt caaccacagg cytytcagga ccaggacagc cacacactgt cccctcaggt 840  
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gtgggtgggt ctttgttctg ctgttctgcc ttctctgaca ggtggggttg gggcacacag 1620  
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tctcaccatg caggtaggct cttgtattcc 1770

<210> 97  
<211> 938  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (938)  
<223> n equals a,t,g, or c

<400> 97  
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gccaggccta ggagaagaca ggtgcagctc ttgcagctct gcgggtgtgc ggccaaaggc 180  
aangcccacg ggctggatgt cacttccccg actgtctctt ggttggttg tccttgtgca 240  
agaccacgcs tgtcacgaca garcctgggc acttcagagg aggagccagg ttngaattgt 300  
aaggggggaa ttgggttcca ccatagtctt ctgctctggt cctccacggg tgggaccagn 360  
atggaagtct cctgcctaac ctcaactgcat tgcactggac ctgggatgcc tatccacctt 420  
ctggcagaag aacttcacca ggttatctgt gaagagactc tgggatccca tcacctcaaa 480  
gccagagggt ccccaagtca ccgctgagag cacttgagcc tcaaggatgt aagcctgacc 540  
ataggatctt gactccaaca gcggcaaccc ccacccccat tgtggtccgt ccttaaccca 600  
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tcctaaagct ttagactcag agcccagggt ccccccacaag cctcaaggta gcctcaggtt 720  
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ttcctattaa aggaccttct gaagggcaaa aaaaaaa 938

<210> 98  
<211> 311  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<400> 98  
agatgcggct ggagcagcag aagcagacgg tccagatgcg cgcgcagatg cccgccttcc 60  
ccctgcccta cgcccaggca tgtgccatcc tcccgccacc cagaggtttg tgggctgagg 120

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accgaactctc accgctgtct ctttcgtccc cagctccagg ccatgcccgc agccggaggt 180
gtgctctacc agccctcggg accagccagy ttccccagca ccttcagccc ygccggctcg 240
gtggagggct cccaatgca cggcgtgtac atgagccagc cggtcctctg cgctggnccc 300
taccacagna t                                     311

```

```

<210> 99
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

```

```

<400> 99
actgccggtc gttcggacgt cttgcctgtc gctggaggag aggtccgggc tctccaggaa 60
ggtggctgcg gcgacaaaat gaagatatct gtgggcaacg tcgacggggc ggatacgact 120
ccggaggagc tggcagccct ctttgcgccc tacggcacgg tcatgagctg cgccgtcatg 180
aaacagttcg ctttcgtgca catgcgcgag aacgcgggcg cgctgcgcgc catcgaagcc 240
ctgcacggcc acgagctgcg gccggggcgc gcgctcgtgg tggagatgtc gcgccaagg 300
cctcttaata cttggaagat tttcgtgggc aatgtgtcgg ctgcatgcac gagccaggaa 360
ctgcgcancct cttcgagcgc cgcggacgcg tcatcgagtg tgacgtggtg aaagactacg 420
cgtttgttca matggagaag gaagcagatg ccaaagccgc aatcgcgag ttcaacggca 480
aagaagttaa gggcaagcgc atcaacgtgg aatctycac aagggtcaga agaaggggcc 540
tggcctggct gtccagtctt gggacaagan caagaaacca agggctgggg ataggccttc 600
cctggaatgg tggctttctg                                     620

```

```

<210> 100
<211> 2511
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (44)

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2511)

<223> n equals a,t,g, or c

<400> 100

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gccagattcg gccgagcaag cggaaacctct gggaaaagca atctgtggat aagggtcactt 120
ccccactaa ggtttgagac agttccagaa agaacccaag ctcaagacgc aggacgagct 180
cagttgtaga gggctaattc gctctgtttt gtatttatgt tgatttacta aattgggttc 240
attatctttt atttttcaat atcccagtaa acccatgtat attatcacta tatttaataa 300
tcacagtcta gagatgttca tggtaaaaagt actgcctttg cacaggagcc tgtttctaaa 360
gaaacccatg ctgtgaaata gagacttttc tactgatcat cataactctg tatctgagca 420
gtgataccaa ccacatctga agtcaacaga agatccaagt ttaaaattgc ctgcggaatg 480
tgtgcagtat ctagaaaaat gaaccgtagt ttttgtttt ttaaatacac aagtcagtgt 540
gtttctgcac ttataataa agcatggaag aaattatctt agtaggcaat tgtaacactt 600
tttgaaagta acccatttca gatttgaaat actgcaataa tggttgtctt taaaaaaaaa 660
aaagaaatgt actgtttaagg tattactttt ttctatgctg atgattcata tctaaattac 720
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cctgatgacc tataagaaga aagtattgaa aagaagagag attagaactg ttagaaggag 1080
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gaagttcaca ataggtcata aggtctcttc cttttctaaa attgaaagac aagaaattta 1260
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gaatcttcta gctttagcaa acctaagcca aaggaaggaa agccacgaag aatgcagaag 1920
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```

```

acaagtgtcc caggtagcat tgactcccgt cattggagtg aaatggatca aagtttgaat 2040
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cactattaca tatttttcta gaaaatctaa agttcagaag agaagtatc actgctgact 2160
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aaacacttga tacttttcac tgataatgga tcgctccaat aaacatatat tgtgaaaatg 2400
catccacaat aaatgggaatt ccttcctgca aaaaaaaaaa aaaaaagggc ggccgntcta 2460
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```

<210> 101

<211> 2981

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<400> 101

```

cggacgcgtg ggcgccacg ttgtcttgcg cgctttgccc gcctggccct gggactctga 60
cctcgggcta ccttttctcg cccactagc gtggccgcga gcctcgggtg gccggccgta 120
ttcccgcctc cgcttagggg gcacaggcgc aggcacgcgc ccggccactc caagccttcg 180
gtgcgcgggc gcgtctggga tacggggccc ggaggcgcgc cctccgctcc gccgggtgcc 240
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ccggggccca tgcccgctgc ccccgccagg ccggcgccat ggccctccgg agtkttggcg 360
agtgcctgca gcaggagacc acctgccccg tgtgcctgca gtacttcgca gagcccatga 420
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agactaacgt gtcgtgcccc cagtgcgggg agaccttccc gcagaggcac atgcggccca 540
accggcacct ggccaacgtg acccaactgg taaagcagct gcgcaccgag cggccgctcg 600
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gcgtgctgcc gctcagggag gcggtggagg gcttcaagga gcaaatccag aaccagctcg 780
accatttaaa aagagtgaag gatttaaaag agagacgctg ggcccagggg gaacaggcac 840
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```

&lt;210&gt; 102

&lt;211&gt; 2804

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 102

```

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gagcgcaaca ggaagcggcg agaaggaatg tggagtgact gctacttttg atgctagtctg 120
gaccactttt acaagagaag gatcattccg tgtcacaaca gccactgaac aagcagaaaag 180
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```



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&lt;210&gt; 103

&lt;211&gt; 722

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 103

```

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aa

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722

&lt;210&gt; 104

&lt;211&gt; 1636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 104

```

tacggctgcg agaagacgac agaagggggg ctatctgaag aggacgggga cgggagcctg 60

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```

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aaaaaggggg gggggg

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1636

&lt;210&gt; 105

&lt;211&gt; 1561

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 105

```

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1561

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<210> 106
<211> 486
<212> DNA
<213> Homo sapiens

```

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<400> 106
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agtggccagt actatgatta tgattttccc ctatcaattt atgggcaatc atcaccaaac 180
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cagattgacc atattgatga aaaggccttt gagaatgtaa ctgatctgca gtggctcatt 360
ctagatcaca accttctaga aaactccaag ataaaaggga gagttttctc taaattgaaa 420
caactgaaga agctgcatat aaaccacaac aacctgacag agtctgtggg cccacttccc 480
aaatct

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486

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<210> 107
<211> 800
<212> DNA
<213> Homo sapiens

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<400> 107
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caaaccacca tttttaacak gcaagcggtg gttccattag ccagtgttat tgtggaagaa 720
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ataaggggaa ggaaaaaagg

```

800

```

<210> 108
<211> 1058
<212> DNA

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<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1019)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1054)

<223> n equals a,t,g, or c

<400> 108

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```

<210> 109

<211> 1076

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (780)

<223> n equals a,t,g, or c

<400> 109

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gaggatgcag gtctgtctgc tatcagctat gccgctgccc gttgcgctgc agacccgctt 180

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ggccaagaga ggcacccctca aacatctgga gcctgaacca gaggaagaga tcattgccga 240
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa waaaaaaatt ttgggggggg cccct 1076

```

&lt;210&gt; 110

&lt;211&gt; 1199

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 110

```

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&lt;210&gt; 111

&lt;211&gt; 3630

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3608)

<223> n equals a,t,g, or c

<400> 111

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```

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gttcacaggt taccctaata gagtaattct tcactttgct ctattgaact gtcttaagga 3540
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```

<210> 112

<211> 1526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1515)

<223> n equals a,t,g, or c

<400> 112

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ggctccgggc agctcggcct tgggggcttc ggggccccga gacgcggggc gtatgagtgg 180
ggcgtgcgct ccacgcggaa gtccggagcct cctcccctgg atagggtgta cgagatccct 240
ggactggagc ccacacctt tgccggggaag atgcacttcg tgccctggct ggcgcggccg 300
atctttccgc cctgggaccg cggctacaag gacccaaggt tctaccgctc gccccctctt 360

```

```

cacgagcatc cgctgtacaa agaccaggcc tgctatatct ttcaccaccg ttgccgcctt 420
ctcgaggggtg taaagcaggc cctctggctc accaagacca agttaataga aggccttccc 480
gagaaagtgc ttagccttgt tgatgatcca aggaaccaca tagagaacca agacgagtgc 540
gttctgaatg tgatctctca cgcccgctct tggcagacca ctgaggaat cccaagaga 600
gagacctact gcccggtcat cgtggacaac ctaatacagc tgtgtaaatc tcagattctc 660
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gatcctctgc ccaccatcgc ctccagagag gagattgaag ctactaagaa tcatgttcta 840
gagaccttct accccatcct acccatcctc gatcttcatg aatgcaatat ttatgatgtg 900
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ggccgctcaa nngncccaa gttagt 1526

```

&lt;210&gt; 113

&lt;211&gt; 585

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 113

```

tcgacccacg cgtccgcccc cgctccgccc cacgcgtccg ggagcccggt gacaggatgt 60
tgggtgttgt attaggagat ctgcacatcc cacaccggtg caacagtttg ccagctaaat 120
tcaaaaaact cctggtgcca ggaaaaatcc agcacattct ctgcacagga aacctttgca 180
ccaaagagag ttatgactat ctcaagactc tggctggtga tgttcattat tgagaggag 240
acttcgatga gaatctgaat tatccagaac agaaagtgtg gactgttga cagttcaaaa 300
ttggtctgat ccatggacat caagttattc catggggaga tatggccagc ttagccctgt 360
tgcagaggca atttgatgtg gacattctta tctygggaca cacacacaaa ttgaaagcat 420
tngagcatga aaataaattc tacattaatc caggttctgc cactggggca tataatgcct 480
tggaacaaca cattatttca tcattgtgtt gatggatc caggcttcta cagtggkac 540
ctatgtgtaa tcagctaatt ggagatgaag gaaagtaga acgga 585

```

&lt;210&gt; 114

&lt;211&gt; 501

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 114

```

gatgaaaaga aggtttttgc tcttcaaagt cttaagtaaa ctaaaaggca gagctggaaa 60
taaagcccgat attgtggact ccaagtaagt ctctttctgc tacaccatac tttgtggtgt 120

```



```

ctgctcccat gtgcttcttc gctaaggctg atcaaaaaag ttagtaggtt gcttcagcta 180
taagaatttg atggctcttc ttagtcatca tagtctgcag caatcatttt tgttcatcat 240
tgggatgtct gcttactcct gttgagtaaa tgtgatctat tcacccttgg ragctccttg 300
cacaccaaca gtattcttgg atagggacaa gtgttgtcta agtcagtgcg gatttcttta 360
gcataataaa aggtccatg taggatgcta atacttgagt gaaatatgct tcataagcag 420
ccttggtttg acagagtggg tgtaaaagtga gggtatgtct tggcctgagc gtcttcaaaag 480
catgtgccac tttgtgcac t

```

501

&lt;210&gt; 115

&lt;211&gt; 1965

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (343)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 115

```

agaggcgga ctggcgga gagcagacgc ccgaaccgag cgagaagagc ggcagagcct 60
tatccctga agccgggccc cgcgtcccag mactggccca aaggcaggag cagcagacaa 120
gagtgagcgt gtggctgccc ccgcaccagc ctacagtggca gatgacacac cccccccga 180
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cccgtctct cactactctt cttttggcag cagtgggtgt agtggcggtg gcagcatgat 300
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aagaagcga aacgctgcg catgtgcgcg ccctggcggg ggccatcaa ctgcgagcag 840
tgccagcgtt gtaggatcg aaagactggc catcagattt gcaaattcag aaaatgtgag 900
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tccccctgctg gtgggggttg tccccagggg cccctgctgc ctgggcccc ctscacggc 1860
cagcttcctg ctgatgaaca tgctgtttgt attgttttag gaaaccaggc tgttttgtga 1920
ataaacgaa tgcattgttg tgtcacgaar maaaaaaaaa aaaaaa 1965
```

&lt;210&gt; 116

&lt;211&gt; 1060

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (299)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1060)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 116

```
gaaacacata cattggatat gggaagatgg cggctgtgtc ggtgtatgct ccaccagttg 60
gaggctttctc ttttgataac tgccgcagaa tgccgtcttg gaagccgatt ttgcaaagag 120
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gagcattgag gcccgagtaag acactcatgt ggctagtgtt tgccgaatga aactcaactc 960
aataaaaaaac aaaaacccaa ttgggcagct gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1060
```

&lt;210&gt; 117

&lt;211&gt; 709

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (174)

&lt;223&gt; n equals a,t,g, or c

```

<400> 117
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gttaaactctt gctgaattcg tggtaagctg ttaccatgtc tacattttgt agantgattt 180
tggctctgcag caaaattcga ttacacttct cataccctt tccttccact tgaatgcaa 240
tttagacaga ggcctgtggt tgaagttgc aatattaagt ttmcccttag aagatcccyt 300
cctcaaacct cagaaccctt agcagtgtta ccctwaaaca aaaatgagct cgagaaaaaa 360
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cttaaacatt ttccgggatta tgcattgcat atatcagttt atgctgtgtg ctgaattact 600
atgccatgtg ctatttttagt gtttggggaa aatgaaaaat aaaatttgtt ctttagctta 660
ataaatatgt cttattttaa aaaaaaaaaa aaaaaactcg agactagct 709

```

<210> 118

<211> 2053

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (813)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2049)

<223> n equals a,t,g, or c

<400> 118

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gccacattgg agatggcggt actgagcaga catgccccca cgagtagcct gactccctgg 180
tgtgtcctcg gaaggaaagt cttggggacc ccccaccg agcacacca rggatcatct 240
ttgcccgtct cctggggacc cccaagaaa tgtggagtcc tcgggggccc tgcactgatg 300
cggggagtgt ggaagtctg gcggttggar ggggtgggtg ggggcagtgg gggctggg 360
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tgacagcaga cttgcagaat tacatagaga aattaggaac ccccaattt catgtcaatt 480
gatctattcc cctcttttgt ttcttggggc atttttcctt tttttttttt tttgtttt 540
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caggggggca gtgacaaaag caagaacgca cgaagccagc ctggagacca ccacgtctg 660
ccccccgcca ttatcgccc tgattggatt ttgtttttca tctgtccctg ttgcttgggt 720
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aggggagtgg agaaggccac tgtccggcct ggnttctggg gacagtggct ggtcccccaga 840
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ggtgtgtaaa cagagggttc catcaggctg gggcagggtg gccgccttcc gcacattga 1020
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caggaggtcc gaagctctgt gggacctctt gggggcaagg tgggggtgagg ccggggagta 1140
gggaggtcag gcgggtctga gcccacagag caggagagct gccaggtctg cccatcgacc 1200

```

```

aggttgcttg ggccccggag ccacagggtc tggtagatgcc atagcagcca ccaccgcggc 1260
gcctaggggt gggcgaggga ctgcgcctct gggagggtta cctcgccccc acttggtccc 1320
ccagctcagc cccctgcac gcagcccgac tagcagtcta gaggcctgag gcttctgggt 1380
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gagccaaaatt gtcacaattg tggaaacccac attggcctga gatccaaaac gcttcgaggc 1560
accccaaaatt acctgcccac tcgtcaggac acccaccac ccagtgttat attctgcctc 1620
gccggagtgg gtgttcccgg gggcacttgc cgaccagccc ctgcggtccc caggtttgca 1680
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cttgggtccc ctctctgtcc atcacctgaa gacccccacg ccaaacactg aatgtcacct 1860
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taatatattcc ggcaaaatcc catgcttggg tttgtcttt aacctgttaa cgcttgcaat 1980
cccaataaag cattaaaagt catraaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2040
ggggggggnc cgg

```

2053

&lt;210&gt; 119

&lt;211&gt; 1824

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 119

```

agttcctagc aagctgttca caagattgcc tgataagaat atggaagctg tatataaagt 60
caacatcttt agaaactcag gatgacgata acataagact gaaggaaaat acttttacca 120
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<210> 120

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<400> 120

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ctatttycag cttttcctca attnacattt tggtngtata ctccagagtg atgttatcta 180  
agtttaagta gtttaagtat gttaaatgtg gatcttttac accacatcac agtgaacaca 240  
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gaaacttggt aaattttttg ttaactaaat ttttttctta aaataaagac tttttcaca 540  
wraaaaaaaa aaaaaaaaaa actcgagggg gggcccgtag ccaatcgctt gtgatgtntc 600  
gtatac 606

<210> 121

<211> 838

<212> DNA

<213> Homo sapiens

<400> 121

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gccaccatct tgctgggtggg cacggaggat gctcttctgc agcagctggc ggactcgatg 180  
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<210> 122

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<400> 122

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tcccggatct gaccggcttc aagctcaagc cctacgtgag ctacctcgcc cctgagagcg 360  
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cacaggaggg aaagctcttc cagctctacc ccaggaactt cctgcgctag ctggggcggg 540  
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg gggcggacgc gtgggc 656

<210> 123

<211> 1386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1283)

<223> n equals a,t,g, or c

<400> 123

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ctctggacct tgtctcgctc gggagcggaa acagcggcag ccagagaact gttttaatca 240
tggacaaaca aaactcacag atgaatgctt ctcacccgga aacaaacttg ccagttgggt 300
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cattgg

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1386

&lt;210&gt; 124

&lt;211&gt; 845

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (823)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (825)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 124

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cttctccagc cacctcatat cccttccca gggtaagtgc ccacgaaagc ccagtccact 660

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cttcgcctcg gtaatacctg tctgatgcc aagatatttat ttattctccc ctaaccacagg 720  
gcaatgtcag ctattggcag taaagtggcg ctacaaacac taaaaaaaaa aaaaaaaaaa 780  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa atntnngggg gggggccccc 840  
cccc

845

&lt;210&gt; 125

&lt;211&gt; 1656

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 125

ctccactcc tgccctgcac tccccttctc catccttgcc cgcctccccc ccgagtcctc 60  
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aagataaaaa cgcccaaaaa aaaaaaaaaa aaacc

1656

&lt;210&gt; 126

&lt;211&gt; 837

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 126

tggaagtgtg ccctgtttgc tttttataaa ccaaaactcta tctgaaatcc caacaaaaaa 60  
aatttaactc catatgtgtt cctcttgctc taatcttgct aaccagtgca agtgaccgac 120  
aaaattccag ttattttatt ccaaaatggt tggaacagat ataatttgac aaagaaaaat 180  
gatacttctc ttttttggct gttccaccaa atacaattca aatgcttttt gttttatttt 240  
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<210> 127

<211> 1217

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1169)

<223> n equals a,t,g, or c

<400> 127

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ttccgcagtt cgaagcccag ttgggcccag cagggtggagg aggaggggga ggacgacaaa 180
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cctatgaaca aactcaaggg ccagaagatc gtgtcctgcc gcatctgcaa gggcgaccac 600
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cactgtgtac tcggtccggg acccttggcg acagaagaca gcctccgaga gcgcgggctc 1140
caagggcaat aaagcagctc cactctcnna aaaaaaaaaa aaaaaaaaag ggcggccgct 1200
cgcgatctag aactagc

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1217

<210> 128

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<400> 128

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gctgaggaca tgacatccaa agattactac tttgactcct acgcacactt tggcatccac 180
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<210> 129

<211> 2318

<212> DNA

<213> Homo sapiens

<400> 129

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<210> 130

<211> 2149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1518)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2147)  
<223> n equals a,t,g, or c

<400> 130  
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gccaggccaa attgagacat gtctgacaca agcgagagtg gtgcagggtc aactcgcttc 180  
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<210> 131  
<211> 1020

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1019)  
<223> n equals a,t,g, or c

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<210> 132  
<211> 2319  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2246)  
<223> n equals a,t,g, or c

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&lt;210&gt; 133

&lt;211&gt; 1373

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (403)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 133

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ttttattttt caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1373

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&lt;210&gt; 134

&lt;211&gt; 1657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 134

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gtaaaacaga ccatacagtaa catttcagga ttaaatgaaa cctgcttgag atggagaagc 180
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggcggcc 1657

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<210> 135

<211> 2360

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2353)

<223> n equals a,t,g, or c

<400> 135

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2360

&lt;210&gt; 136

&lt;211&gt; 1042

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 136

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aagatttctt accggacctt tgaacctcaa tgatccagat gcaaaatgca gattcccaa 960
aatttttgta aatacagwtg acatttatga agagctccat ttaatcgktt ataaggyctg 1020
agaaagaacc ccagtttaag tt

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1042

&lt;210&gt; 137

&lt;211&gt; 1037

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 137

```

ggcaccggga gcggcggggt ggtctacgct gtgcgcggcg gacgtcggag gcagcgggga 60
gcggagcggg gccgcgggg cctctccagg gccgcagcgg cagcagttgg gccccccgc 120
ccggccggcg gaccgaagaa cgcaggaagg gggccggggg gacccgcccc cgcccgccg 180
cagccatgaa ctccaacgtg gagaacctac cccgcacat catccgctg gtgtacaagg 240

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agggtgacgac actgaccgca gacccacccg atggcatcaa ggtctttccc aacgaggagg 300
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tgttccgcat gaaactcctg ctggggaagg acttccctgc ctccccaccc aaggggtact 420
tcctgaccaa gatcttcac ccgaacgtgg gcgccaatgg cgagatctgc gtcaacgtgc 480
tcaagaggga ctggacggct gagctgggca tccgacacgt actgctgacc atcaagtgcc 540
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atgctggcga gcgcgataag aagctggcgg ccaagaaaaa gagggacaag aagcggggcg 840
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aaaaaaaaa aaaaaaa                                     1037

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<210> 138

<211> 1490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1239)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1487)

<223> n equals a,t,g, or c

<400> 138

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caagacagta aggattcaaa ccatttgcca aaaatgagtc taagtgcatt tactctcttc 120
ctggcattga ttggtggtac cagtggccag tactatgatt atgattttcc cctatcaatt 180
tatgggcaat catcaccaaa ctgtgcacca gaatgtaact gccctgaaag ctacccaagt 240
gccatgtact gtgatgagct gaaattgaaa agtgtaccaa tgggtgcctcc tggaatcaag 300

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111

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tattctttacc ttaggaataa ccagattgac catattgatg aaaaggcctt tgagaatgta 360
actgatctgc agtggctcat tctagatcac aaccttctag aaaactccaa gataaaaagg 420
agagttttct ctaaatgaa acaactgaag aagctgcata taaaccacaa caacctgaca 480
gagtctgtgg gccacttcc caaatctctg gaggatctgc agcttactca taacaagatc 540
acaaagctgg gctcttttga aggattggta aacctgacct tcatccatct ccagcacaat 600
cggctgaaag aggatgctgt ttcagctgct tttaaaggto ttaaataact cgaatacctt 660
gacttgagct tcaatcagat agccagactg ccttctggtc tccctgtctc tcttctaact 720
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gcattgcagt atctgcgttt atctcacaac gaactggctg atagtggaaat acctggaaat 840
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cgtgktgcta acgaagtcac tcttaattaa tatctgtatc ctggaacaat attttatggk 1140
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gttgaggagaa acagccagtt ttaaaatcct taaacttaag ttcttcaagc tggataaaac 1440
ataggagtac cncctgcacaa tatctgaaca tcaatgtcgg taaaatnggg 1490

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&lt;210&gt; 139

&lt;211&gt; 1684

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (201)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1657)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1659)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1682)

&lt;223&gt; n equals a,t,g, or c

<400> 139  
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gagctggggc ctgcgccctc cctcgggcgg tcacctgggc acgggcgctg cagggtgtcgg 180  
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ggccgcccc tgcagtccgg agacgaacgc acggaccggg cctccggagc argttcggyt 300  
ggaargaamc gctctcgstt cgtcctacac ttgcgcaaat gtctccgagc ttactcacat 360  
agcatattgg tatatcaaaa tgaatgcaa ggaacaaaa ataacataat tgaaggcagt 420  
aaaagtga aaataatgga agatcatcag tcaagggaaga cccactggag aggacagaaa 480  
atgaagcagt gttttatcat gtgtatttca gcagggtcttc ttgaaattta actaaaaata 540  
tgactgctct ctcttcagag aactgctctt ttcagtacca gttacgtcaa acaaaccagc 600  
ccctagatgt taactatctg ctattcttga tcatacttgg gaaaaatatta ttaaataatcc 660  
ttacactagg aatgagaaga aaaaacacct gtcaaaattt tatggaatat ttttgcattt 720  
cactagcatt cgttgatctt ttacttttgg taaacatttc cattatattg tatttcaggg 780  
attttgtact tttaagcatt aggttcacta aataccacat ctgcctattt actcaaatta 840  
tttcccttac ttatggcttt ttgcattatc cagttttcct gacagcttgt atagattatt 900  
gcctgaattt ctctaaaaa accaagcttt catttaagtg tcaaaaatta ttttatttct 960  
ttacagtaat tttaatttgg atttcagtc ttgcttatgt tttgggagac ccagccatct 1020  
accaaagcct gaaggcacag aatgcttatt ctgctcactg tcctttctat gtcagcattc 1080  
agagttactg gctgtcattt ttcattgtga tgattttatt tgtagctttc ataacctgtt 1140  
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tcattgtttt acttaaagtt cagattccag catatattga gatgaatatt ccctggttat 1380  
actttgtcaa tagttttctc attgctacag tgtatttggt taattgtcac aagcttaatt 1440  
taaaagacat tggattacct ttggatccat ttgtcaactg gaagtgtctg ttcattccac 1500  
ttacaattcc taatcttgag caaattgaaa agcctatatc aataatgatt tgktaattatt 1560  
attaattaaa agttacagct gtcataagat cataatttta tgaacagaaa gaactcagga 1620  
catattaaaa aataaactgr actaaaacaa aaaaaancna aaaaaaaaaa aaaagggcgg 1680  
cnac 1684

<210> 140  
<211> 427  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<400> 140  
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cctccaagcc tgctgccagc tccctgcaag cccctcaggt tgggccttgc cacggtgcc 120  
gcaggcagcc ctgggctggg ggtaggggac tccctacagg caccgagccc tgagacctca 180  
gagggccacc ccttgagggg ggccaggccc ccagtggcca acctgagtg tgcctctgcc 240

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accagccctg ctggccctg gttccgctgg ccccccagat gcctggctga gacacgccat 300
ggcccttcag ctggccca cytyttccc gscctggaa kttggcaytg cagcagacag 360
ytccytgggc accagrcagy taacaggaca cagcngccag cccaaacagc agcgggnatg 420
ggggcag

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427

&lt;210&gt; 141

&lt;211&gt; 889

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (698)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (889)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 141

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ggcacgaggt tgacgtcctg tagcatttgc tgttctagaa agtacagaga cacgtagaan 60
agatgggagg atctagaagg aggctgtctc ctgtgtagt tatatttato tgtaagtga 120
ccgttgggga aggattgaat acagagacgc tgtctgcttg ctgccttaag acagctagct 180
gaattgctga ttaactttta aaatacccag cttggtttat ttttottaga atctgttgct 240
aagactgggg acgctgtttt cttttacaaa gggaaatcta agttaatttc aaggcattcg 300
aatgggggaa agactattat tgcatttttg gaattgagaa aggagcttca gatgaagata 360
ttaaaaaggc ttaccgaaaa caagccctca aatttcattc ggacaagaac aaatctcctc 420
aggcagagga aaaattttaa gaggtcgcag aagcttatga agtattgagt gatcctaaaa 480
agagagaaat atatgrtcag ttgggggagg aagggttgaa aggaggagca ggaggtagct 540
atggacaagg aggtaccttc cggtacacct tcoatggcga tctcatgct acatttgctg 600
catttttcgg agggccaac ccctttgaaa ttttcttttg aagacgaatg ggtggtggtg 660
gagattctga agaaatggaa atagrtggtg atccttnag tgcctttggt ttcagcatga 720
atggatatcc aagagacagg aattctgtgg ggccatccc cctcaacaa gatcctccag 780
ttattcatga acttagagta tcacttgaag agatatatag tggttgtacc aaacgggatg 840
aaagatttct cgaaaaaggt taaaacgctg atggtaggag ttacagttn

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889

&lt;210&gt; 142

&lt;211&gt; 1505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1493)

&lt;223&gt; n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1500)  
<223> n equals a,t,g, or c

<400> 142  
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acttcacgca gcaaaagcgc cccccgtcta tatcatatcg cctctcgggc ctccctaaaag 180  
tcgtatgaga tggagctgga ggaggggaag gcaggcagcg gactccgcca atattatctg 240  
tccaagattg aagaactcca gctgattgtg aatgataaga gccaaaacct ccggaggctg 300  
caggcacaga ggaacgaact aaatgctaaa gtctgcctat tgcgggagga gctacagctg 360  
ctgcaggagc agggctccta tgtgggggaa gtagtccggg ccatggataa gaagaaagtg 420  
ttgggtcaagg tacatcctga aggtaaaattt gttgtagacg tggacaaaaa cattgacatc 480  
aatgatgtga caccctaattg ccgggtggct ctaagggaatg acagctacac tctgcacaag 540  
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tcaacttatg agatgattgg tggactggac aaacagatca aggagatcaa agaagtgatc 660  
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gcagttagcca aggtcatgca gaaggacagt gagaaaaaca tgtccatcaa gaaattatgg 1380  
aagtgagtgg acagcctttg tgtgtatctc tccaataaaag ctctgtgggc caagtcaaaa 1440  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aanngggggnn 1500  
cccccc 1505

<210> 143  
<211> 1235  
<212> DNA  
<213> Homo sapiens

<400> 143  
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ctccgcggag gaccaggag agccggacta ggaccagggc cctgggcctc ccacactcc 180  
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ttgagacttt tgacatcgcc cgcttgacag tcaacgctga cgtgggctat tactcctgga 540
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gcgctgatta catcattatg aactactcag tcaaacatcc caaataccga cctcggaaag 660
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gagacaggac cgggcgagcc ctggggcggc ggcgcctcct gcactttctc ccctcccca 1140
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1235

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<210> 144

<211> 1420

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1410)

<223> n equals a,t,g, or c

<400> 144

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actcacagcc catctgatct gttcaaagct gtcttttcca cctgctgaaa ttcattaaat 180
cactggaggc atgcataatg aatggagaat gagtgaactt ccaatgcaac ttggattcac 240
aaaccatta tcatagccaa tatgcagatt ttaaacagca ttccacattt catttgacca 300
tgtcttcttt ttgcctcgc ctgctgcaga attccctact agaattgtgaa acaacgaaca 360
aaccacagaa cttagagtgt gctggttagt cacataactt agtagcagga ttgtgtatcc 420
aggcacaaaag gtgtctttgc taatgttctc ttgtacctg ccctgcttca aacgctaaat 480
ggtatgggtc tttctttgtt gccagccata ttctacaaat aagacttttc aatatagtta 540

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tgagtaatat aattttatgt acatataatg ttagaatatt gtacagaatc ttggtttcta 600
cgatgcgctt ttcttgtttc aaaaagagga aaatgcttga tttttgtga tgatactttt 660
gttactgtcc ttaatttttc atagtttggg ttcttaattg tgctcactaa gcacgcgatct 720
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<210> 145

<211> 1919

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1882)

<223> n equals a,t,g, or c.

<220>

<221> misc feature.

<222> (1898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1919)

<223> n equals a,t,g, or c

<400> 145

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gccacgcgt ccggccgctc gtcgcgccgg cttgaggccc gcggggagcg cggcgcaatt 60
cgtcggcccg cgggggggcg gcctcccggc atcttcgcgg cgaccaagga ctaccaggaa 120
ggggagcggc tgggatggcg cgtccgggcc ccgskagtac aaagcgggcg acctggtctt 180
cgccaagatg aagggtacc cgcactggcc ggcccgatt gatgaactcc cagaggcgct 240
gtgaagcctt cagcaaacaa gtatcctatc ttcttttttg gcacccatga aactgcattt 300
ctaggtccca aagacctttt tccatataag gagtacaaag acaagtttgg aaagtcaaac 360
aaacggaaag gatttaacga aggattgtgg gaaatagaaa ataaccagg agtaaagttt 420
actggctacc aggcaattca gcaacagagc tcttcagaaa ctgaggggaga aggtggaat 480
actgcagatg caagcagtga ggaagaaggt gatagagtag aagaagatgg aaaaggcaaa 540
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aagaagggtta tatgtttggg tgtctaatat tcttggaatt gatatgaacc aacacatagt 840
```



```

ccttggtgtc attgacagaa cccagtttg tatgtacatt attcatatc ctctctgttg 900
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<210> 146

<211> 1379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (925)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1377)

<223> n equals a,t,g, or c

<400> 146

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cgattctggc agaataaaca ggtgttttta gttttccac tgctgagcc aagcaggacc 180
ctgtcccaga gcaagagatg tccccttcca tctctgacct ttgcctggga caagctttga 240
tgggggggccc cagcttcaag gctgtggtgg gaacagcacc cccaaatgcc agcctctcct 300
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```

```

aagctgggtc agcgggtctg aagccctcga gtgactttct aacccaagac ccagcccttg 720
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```

<210> 147

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 147

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cagtacaatt taaagaccac tatgtgtccc cggagaccaa cctgtttatt tccctgaaag 240
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aggagaaaga gatttcttaa attaagtagc ttatataccc ctagagaagg ccatacaaat 360
ctgcggacgc gtggcggaac gcgtgggggg acogtgggtc gaacgnaccc ancgccncg 420
gacgcgtggg cggacgcgtg ggcggacgcg tggcggaacg cggtgggcgga cgcgtggggc 480
gacgcgtggg cggacgcgtg ggcggacgcg tggg                                     514

```

<210> 148

<211> 2058

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 148

```

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gccgcgcgcg tccagccgag tccccactcc ggagtcgccc ctgcccgcgg gacatgggtcc 120
tctgcgttca gggacctcgt cctttgctgg ctgtggagcg gactgggcag cggccctgt 180
gggccccgtc cctggaactg cccaagccag tcatgcagcc cttgcctgct ggggccttcc 240
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cagaggagga tctgctgtgc atagccaaga ccttctccta cttcgggaa tctggctggt 360
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cgttcttagt acgtgacagc acgcacccca gctacctgtt cacgctgtca gtgaaaacca 480
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aaaaaaaaaa aaaaaaag

```

2058

&lt;210&gt; 149

&lt;211&gt; 1781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 149

```

ggcaattact aaggaaggat tgtatttatg aggataactt cattatttct ctctcttttt 60
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taactcccag ggggttgact ggtggggtaa ctgagcctgc tttgcagtat gtcacctgc 180
caaacaagct aatatggaaa ccacatgtaa cttagccaga ctataccttg ttagcttca 240
agaactcgca gtacattacc agctgtgatt ctccactgaa attttttttt taaggagct 300

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ttataatttt gtgactgagg atcatttggt tgtaaagtga ctgtgccttt aacttttagac 480
aactttttat tttgatgtcc tgttggtcca gtaatgctca agatatcaat tgttttgaca 540
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<210> 150

<211> 1709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1678)

<223> n equals a,t,g, or c

<400> 150

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gttgaggagg tgagttttga caccaatgag cagtcgctgg agcagggtct ctcaaagtac 180
ggacagatct ctgaagtggg ggttgtgaaa gacagggaga cccagagatc tcgggggattt 240
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```

gggtttgtca cctttgagaa cattgacgac gctaaggatg ccatgatggc catgaatggg 300
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tcccgtgggt accgtggtgg ctctgccggg ggccggggct tcttccgtgg ggcccgagga 420
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tccaggagtg ggggctacgg aggctccaga gactactata gcagccggag tcagagtggg 540
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tgactgcac tgacgtgact ggatgctcat ctagagcagn caagacaaag cactggcncc 1680
caggggactt cagaaggcaa cggttacta 1709

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&lt;210&gt; 151

&lt;211&gt; 922

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (906)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (915)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (922)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 151

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gcggaatcta caccttcccg gccagcggta caactgcaga actgcaggag actatctttc 60
tagacaaggc agttgaggag gagggagcgc ttgaggggga ctggcctggc gtgactccg 120
cacctcgggg acattattgc gcgtggaacg gctgcttttg gaagactatt gcccagaaga 180
aaagatgttt ggttttcaca agccaaagat gtaccgaagt atagagggct gctgtatttg 240

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cagagctaag tcctccagtt ctcgattcac tgacagtaaa cgctatgaaa aggacttcca 300
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tgtgaaaaga tggaagaagt tgccagcagg atcaaaaaaa aactggaatc atgtggtaga 420
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aaaccncaaa ggtanaaaat gn 922

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<210> 152

<211> 635

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (594)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (628)

<223> n equals a,t,g, or c

<400> 152

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tttgccgcg cccaggagct acacaccttc gaggtgaccg gccaggaaac ggtcgcccag 180
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accctggaag tagcaggccg catgcttgga ggtaaagtcc atggttcctt ggcccgtgct 360
ggaaaagtga gaggtcagac tcctaagggtg gccaaacagg agaagaagaa gaagaagaca 420

```

```

ggtcgggcta agcggcgcat gcagtacaac cggcgctttg tcaacgttgt gccacacctt 480
ggcaagaaga agggccccc aaagccactct taagtctttt gtaattcttg ctttctctaa 540
taaaaaagcc acttagttca aaaaaaaaaa aaaaaamtcg gggggggccc gkancccaat 600
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635

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<210> 153

<211> 2328

<212> DNA

<213> Homo sapiens

<400> 153

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gagaaccgcg ccggccgcctc ggccccgcgc aagccccgcc gcgccatgct ttcgcctccc 180
gaaggaaact agagactaaa gctggacacc cgcggcgccg gaaagctggt ggaatgcaa 240
ttgtgcagaa acaccacat acaggagaca ccaaagaaga gaaagacaag gatgaccagg 300
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&lt;211&gt; 1006

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 156

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&lt;211&gt; 1686

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 157

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tatacatcta gttagttcct ttactcttat ttttttaaat aaaagtagta cacatcaaaa 4080
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4147

&lt;210&gt; 159

&lt;211&gt; 1242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1235)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1236)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 159

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<210> 160

<211> 2229

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

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<222> (301)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2226)

<223> n equals a,t,g, or c

<400> 160

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2229

&lt;210&gt; 161

&lt;211&gt; 1920

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (119)

&lt;223&gt; n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1766)  
<223> n equals a,t,g, or c

<220>  
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<222> (1832)  
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<220>  
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<222> (1915)  
<223> n equals a,t,g, or c

<400> 161  
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<210> 162

<211> 2619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2546)

<223> n equals a,t,g, or c

<400> 162

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<210> 163

<211> 1419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (624)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (697)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1187)

<223> n equals a,t,g, or c

<400> 163

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<210> 164

<211> 3810

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2523)

<223> n equals a,t,g, or c

<400> 164

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&lt;210&gt; 165

&lt;211&gt; 817

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 165

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817

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<210> 166
<211> 1578
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g,.or c

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<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

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agcctgcato attcggttcc ctcaaaggga agcccttgcc agtggggggt tgaagagaa 600
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aaatcttcgg gggggggg 1578

<210> 167

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 167

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cctcacccaa ctcaacaacag gctggatggg tgggtggtaa aaagggaagg atgaggctcc 1620  
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aaaaaaaaact cgag 1694

<210> 168

<211> 1636

<212> DNA

<213> Homo sapiens

<400> 168

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gtggaggaga tcagtctgct gcagccgagc gtggaggagt ccgtgctcaa cctggggcaa 180

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ttgaagagac cgctgg

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1636

&lt;210&gt; 169

&lt;211&gt; 667

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 169

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gcgaagagcc acatccaggc ctgagggcgg caccacagcc ctgcccctgc ttcttcaat 600
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tacccea

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667

&lt;210&gt; 170

&lt;211&gt; 3598

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (964)  
<223> n equals a,t,g, or c

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<210> 171

<211> 940

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (919)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

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aaaaaaaaaa aaaaaaanaa aaaaaaaaaa aaaaaanaaa 940

<210> 172  
<211> 1458  
<212> DNA  
<213> Homo sapiens

<400> 172  
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ccatattgtt tttactgtca tagtggtgtc ttcttgctgt tctgtcttag tttttacttg 960  
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1458

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<210> 173
<211> 2709
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (2622)
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<220>
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<222> (2659)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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cttggtggc 2709

&lt;210&gt; 174

&lt;211&gt; 1013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 174

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<210> 175

<211> 1697

<212> DNA

<213> Homo sapiens

<400> 175

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tcatggacca tccagggtgg tctagtttcc ctgttggaca atccagcccc atcccaactg 240  
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catttggtgc ttgacgtatt attgtccttt gattccaaat aatatgtttc ctccctcat 1620  
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680  
aaaaaaaaa aaaaaaa 1697

<210> 176

<211> 1409

<212> DNA

<213> Homo sapiens

<400> 176

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aaaatgcgac cgttgagcct gagctcacat ccgctggcgc cgccagccg gaggggcccc 360

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cccaggaact tggttatggt tgtctcaagt tcggcgggtca ggcctacagc gacgtggaac 540
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&lt;210&gt; 177

&lt;211&gt; 1503

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 177

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<210> 178  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (3)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (82)  
 <223> n equals a,t,g, or c

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<210> 179  
 <211> 2251  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
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 <223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2050)  
<223> n equals a,t,g, or c

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<210> 180  
<211> 1000  
<212> DNA  
<213> Homo sapiens

<220>



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<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

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<210> 181
<211> 1429
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (761)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1420)
<223> n equals a,t,g, or c

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gcatgatgcc ctccccctcag cgcagggtgc agagcccgcc cccacctccc tgcgcccttg 180
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&lt;210&gt; 182

&lt;211&gt; 2725

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2713)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 182

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gactcagtc agataatctc aggagacact gaagaaggga ggctctgtgg acagaggagc 480
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2725

&lt;210&gt; 183

&lt;211&gt; 1751

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (416)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1617)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 183

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gtggtctgtg gggctctcaga gcagaccacc tgccaggaaag tggctatcgc actagcccaa 180
gcaataggcc agactggccg ctttgtgctt gtgcagcggc tcggggagaa ggagcggcag 240
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<210> 184

<211> 2200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2096)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2181)

<223> n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2184)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 184

```

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&lt;210&gt; 185

&lt;211&gt; 1987

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 185

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accaaactt tgaaatcaac tacaagtaca tgggactggg gataaatgat cctaaactat 1980
caagtca 1987
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&lt;210&gt; 186

&lt;211&gt; 1737

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 186

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&lt;210&gt; 187

&lt;211&gt; 1132

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1131)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1132)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 187

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<210> 188

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

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<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<400> 188

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<210> 189

<211> 3787

<212> DNA



<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<400> 189

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<210> 190

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<400> 190

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<210> 191

<211> 874

<212> DNA

<213> Homo sapiens

<400> 191

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 gaagtgggt ttaggacagc aggtgctgtt ccgagactca gtccctaaagg gttttttttc 780  
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<210> 192

<211> 2103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<400> 192

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 tggtgtgtgt ccccttacag acaaaatgaa gactatcatg tgcaatcttt tacagtggg 600  
 ttgatgatac atttggaagg atttgcctgt ttaatatgta cattttttgt gttaacagct 660  
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 ttttaacatg ggtttttgc agatccatgg tcttaggact tgactgatga gctttcagt 780  
 aagaatcctc taagataaaa cttctattta aagacttta ctagaaagt tttattttg 840  
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&lt;210&gt; 193

&lt;211&gt; 1317

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1314)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1315)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1316)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 193

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<210> 194

<211> 1252

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1240)

<223> n equals a,t,g, or c

<400> 194

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tagctctggg cctccttca gcccccatca tgggaataaa ttaattttct caatgtaaaa 1200

```

aaaaaaaaaa aaaactcggg gggggcccg ncccaatttn cccttttggg gg 1252

<210> 195

<211> 1688

<212> DNA

<213> Homo sapiens

<400> 195

```

ggcacgagcg gaactgctcc ggagggcagc ggctccgtag caaaactgc aaggaccct 60
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cagctggatg caccatcccc caatgcaccc cctgcgcgct ggcagcaaaa gccaaaggaag 180
ccgcagcccg gcccccctcac ccatgcgggc cgccaaccga tcccacagcg ccggcaggac 240
tccggggcga actcctggca aatccagttc caaggttcag accactccta gcaaacctgg 300
cggtgaccgc tatatccccc atcgcagtgc tgcccagatg gaggtggcca gttcctcct 360
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ggccactcct ggctccagcc ggaagacctg ccgttacatt cttccctgc cagaccgtat 600
cctggatgcg cctgaaatcc gaaatgacta ttacctgaac ctgtggatt ggagttctgg 660
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catctgcag cttttgcaaa tggagcagcc tggggaatat atatcctctg tggcctggat 780
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tcatgtctcc ctcatgttt tttttttaa aaaaaaaaa aaaaaaaaa aaaaaaaaa 1680
aaaaaaaaa 1688

```

<210> 196

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (756)

<223> n equals a,t,g, or c

<400> 196

```

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aggtagagcc cagggcagcg cgtccgggag cggagtccgc gccgcggcc gccatgccg 120

```

```

acagctggga caaggatgtg taccttgagc ccccgcgccg cacgcccgtg cagcccaatc 180
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gagaatttat agagcgcgag cagcгааааа acaggtatta ctactaccac cggcagttacc 300
gcgcgtgtcc agacatcact gagtgcгааагг aggaggacat catgtgcatg tatgaagccg 360
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tggagcagtt caccaggtg gccaaггcct accaggaccg ctatcaggac ctggggгcct 540
acagttctgc caggaaгtgc ctggccaaac agaggcagag gatgctgcaa gagagaaааг 600
ctgcaaaааа ggcgcgcgct gccacctcct gaggcagctg tgggtgcccc tgctgtgtgg 660
ctctgtatga ctgttgctga aatataаагc cctgcaacct gaaaaааааа aaaaaааааа 720
aaaaаааааа aaaaaааааа aaaaaааааа aaattn 756

```

<210> 197

<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<400> 197

```

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ccaagcgttc ctctgccгга catacaagag ttccccaact atgaggtgat tgatgagcag 120
acacccctgt actcagcааа tccaaacгcc atcgatacгг actattaccс tggaggctac 180
gacatcgaaa gtgattttcc tccaccccca gaagacttcc ccgcagctga tgagctacca 240
ccgttaccgc ccgaattcag caatcagttt gaatccatcc accctcctag agacatgcct 300
gcgcgcггга gcttgгггггг ttcatcaааа aaccггcааа ггггсaaсtt gaatcagtat 360
ttgccccatt tttatccсct cgatatgtct gaacctcaaа caaaaggcac tggtgagaat 420
agtacttgta gagaacccca tgccctttac ccgccagngt atcaaггaca cttcgaggcg 480
cccгctgtcg agagcatgcc catgtctgtg tacgсctcca ccgсctcctg ctctgacgtg 540
tcagcctgct gcгaaгtgga gtccgaggtc atgatgagtг actatgagag cggggacгac 600
ggccacttcg aagaggtgac gatcccgccc ctggattccc agcagcacac ggaagctga 660
ctctcaactc cccccaaгt gcctgacttt agtgaaccta gagggtgatgt gagtaatccg 720
cgctgttсtt tgcagcagtg cttccaagct ttttttggtg agccgaatгг gcatggctgc 780
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tctagctgta cataggatga aggagagatc agatacatga acatgtctta catggggtgc 1260
tgtattttaga attataaaca tttttcatta ttggaaagtг таacгггггг cttctgcata 1320
cctgttttaga accaaaacca ccatgacaca gtttttatag tgtctgtata tttgtgatgc 1380
aatgggtctгг тааагггггг таатгaaаac taccattagc cagtcctttct tactgacaat 1440
aaattattaa таааатаааа aaaaaааааа a 1471

```

<210> 198

<211> 692

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 198

```
gtgaattggt aattcgacct cccctatagg gccgaatttg ggntaccggg cccccccctt 60
agtgccggctt gctccttgga gttcaggctc ggttgctctt tgggagccat ggagagtgc 120
ttttatctgc gttactacgt ggggcacaag ggcaagtctg gccacgagtt cctggagttt 180
gagtttcgac cggacgggaa gttaagatat gccacaaca gcaattacaa gaatgatgtc 240
atgatcagaa aagaggctta tgtacataaa agcgtgatgg aggaactgaa gagaataaatt 300
gacgacagtg aaattaccaa agaggatgat gcattgtggc ctctcctga ccgagtgggc 360
cggcaggagc ttgaaatcgt cattggagat gaacacattt cttttacaac atcaaaaaatt 420
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ccaatctaga ctgaatattg gtgtggacat ggggggtggg tgggagtata aaattttgtg 600
tatatcaggg cagtattttt ttatgaacta taaatgattg tctttaataa atatgtgata 660
aaatccaatt tttattattt tataaagacc tg                                     692
```

&lt;210&gt; 199

&lt;211&gt; 1573

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 199

```
ctcgtgccga attcggcacg agccggcgcc agctacgccg ctgccgctgt cactatggcc 60
cattaçaaaag ccgcccactc gaagcgtgag cagttccgga ggtacttgga gaagtcgggg 120
gtgctggaca cgctgaccaa ggtgttggtta gccttatatg aagaaccaga gaaacctaac 180
agtgccttgg attttttaaa gcatacctta ggagctgcta ctccagaaaa tccagaaata 240
gagctgcctc gcctagaact ggccgaaatg aaagagaagt atgaagctat tgtagaagaa 300
aataaaaaac tgaaagcaaa gcttgctcag tatgaaccac ctccaggagga gaagcgtgct 360
gaataggatt cttctcagtt tgaaagacaa tgaaaaatgg ttttgatga ctggaatagt 420
ttgtatagta tataatcttt tctgaacaga tgctatagaa ctcttttaat atgtttaatt 480
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ttgtatttta gccaaagacag tttagcatgg agctattcct tgggtgcagtt caggatatga 720
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gagagatctg tctgacacaa gatgcttttg tacgggttcc catgaatctt ctgctcttgg 840
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aagaggggtg ctgaattttt aggccaaaga ctgatattaa tacaatcac tcactaactg 1380
```



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tagagccttg ggcattatca gtgaactact ctgagattta ctgtcttcat ctgtttaatg 1440
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gtgaaagatt tgtaaaatggt aaagcactat attcttggtt aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaa

```

1573

&lt;210&gt; 200

&lt;211&gt; 2742

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 200

```

gggtcgaccc acgcgtccgc ccacgntccg tgaatggtga actccagaaa gccattgact 60
tattcacaga tgccatcaag ctgaatcctc gcttgcccat tttgtatgcc aagagggcca 120
gtgtcttcgt caaattacag aagccaaatg ctgccatccg agactgtgac agagccattg 180
aaataaaatcc tgattcagct cagccttaca agtggcgggg gaaagcacac agacttctag 240
gccactggga agaagcagcc catgatcttg cccttgccctg taaattggat tatgatgaag 300
atgctagtgc aatgctgaaa gaagttcaac ctagggcaca gaaaattgca gaacatcgga 360
gaaagtatga gcgaaaacgt gaagagcgag agatcaaaaga aagaatagaa cgagtttaaga 420
aggctcgaga agagcatgag agagcccaga gggaggaaga agccagacga cagtcaggag 480
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ctgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg gg 2742
```

&lt;210&gt; 201

&lt;211&gt; 1417

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 201

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ttgggtgaag agtaccctga agtattgggc agcattcttg gacactgaa ggccattgta 120
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ctcgaggggg gcccgtaccc aattcgccgt atagtga 1417
```

&lt;210&gt; 202

&lt;211&gt; 1512

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (855)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1512)

<223> n equals a,t,g, or c

<400> 202

```
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<211> 419

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<213> Homo sapiens

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<400> 203

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<400> 204

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&lt;211&gt; 5830

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5584)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5585)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5821)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 205

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<213> Homo sapiens

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&lt;210&gt; 209

&lt;211&gt; 2250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 209

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa

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2250

&lt;210&gt; 210

&lt;211&gt; 838

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 210

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&lt;210&gt; 211

&lt;211&gt; 1213

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1206)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 211

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<210> 212

<211> 969

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (922)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (955)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (958)

<223> n equals a,t,g, or c

<400> 212

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taaataatac tcagagtta atgagggctt ttcacatgga acaagctttt gagagggcct 300  
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tgacttgatt tgttataagt ttggaagggt atagtttggg cacattcttc attgatcaca 480  
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<210> 213

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 213

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<210> 214

<211> 1210

<212> DNA

<213> Homo sapiens

<400> 214

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&lt;210&gt; 215

&lt;211&gt; 1776

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens:

&lt;400&gt; 215

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1776

<210> 216

<211> 1418

<212> DNA

<213> Homo sapiens

<400> 216

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acacctgaat tgttgttgtt tgtttttttt ttttattgtc ttcaaagagg aagggcccca 1320
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aaagaagaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1418

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<210> 217

<211> 2200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2188)

<223> n equals a,t,g, or c

<400> 217

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tgcttgggga cgcaaggccc tggacattgc tgagaacgag atgccgggcc tgatgcgtat 180
gcgggagcgg tactcggcct ccaagccact gaaggcgccg cgcacgcgtg gctgcctgca 240
catgaccgtg gagacggccg tcctcattga gaccctcgtc accctgggtg ctgaggtgca 300
gtggtccagc tgcaacatct tctccacca ggaccatgag gcggctgccca ttgccaaggc 360
tggcattccg gtgtatgcct ggaaggcgca aacggacgag gagtacctgt ggtgcattga 420

```

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gcagaccctg tacttcaagc acggggcccct caacatgatt ctggacgacg gggcgacact 480
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ggagaccacg actgggggtcc acaacctcta caagatgatg gccaatggga tcctcaaggt 600
gcctgccatc aatgtcaatg actccgtcac caagagcaag ttgacaacc tctatggctg 660
ccgggagtc ctcatagatg gcatcaagcg ggccacagat gtgatgattg ccggcaaggt 720
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aaaraaaaaa aaaaaaaaaa aaaaaanaa aaaaaaaaaa 2200

```

&lt;210&gt; 218

&lt;211&gt; 1853

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (890)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1794)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 218

```

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ctgatggcgg cctggacagc gccgagtttg cggctgagct gggcatggag caccaggcgg 120
tgggtggcgc cgtgaagagc cttcaggcgc tggcgagggt catcgaggct gaacttcggt 180
ccaccaagca ctgggagcct actcgggagg gcgaggagat tgcccgggag ggcagccatg 240

```



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agggccctgt gtttcgaagc attccccag agggcctggc ccagagcgag cttatgcgac 300
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gcgagctgag gaagaggaag ctgttggtg aagtgactct gaagacctac tgggtgagca 540
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gcccccaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1853

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<210> 219

<211> 1093

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1091)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1092)

<223> n equals a,t,g, or c

<400> 219

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ccgagctgcc cctgcagcgc tggctcatgg cgagggcact tgtgagaagc gccgggacgc 120

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cgagtatggc gccagcccg agcaggttgc agacaatggc gatgaccact cagaaggagg 180
cctggtggag aaccacgtgg acagcaccat gaacatgttg ggcgggggag gcagtgtctg 240
ccggaagccc ctcaagtcgg gtatgaagga gctggccgtg ttccgggaga aggtcactga 300
gcagcaccgg cagatgggca aggttggcaa gcatcacctt ggcctggagg agcccaagaa 360
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gatctccacc atgcgccttc cggatgagcg gggccctctg gaggacctct actccctgca 480
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cgggcagcgt ggggagtgtc ggtgtgtgaa ccccaacacc gggaaagtga tccagggagc 600
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaan nna 1093

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&lt;210&gt; 220

&lt;211&gt; 2155

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 220

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gaggtactgt caaagctgct tcaggattca atgccatgga agatgcccag accctgagga 300
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gggagacttc ctccatcaca tcttatgttg aaatcacttt ctgtagtcaa agtatacca 1800
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ccaaacataa atgctgaaca ttccatatta ttatagttaa tgtcttaatc cagcttgcaa 1920
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atttagtatg atataaagaa aacttttttg tgctaaaaat actttttaaa atcaattttg 2040
ttgattgtag taatttctat ttgcactgtg cctttcaact ccagaaacat tctgaagatg 2100
tacttggtt taattaaaaa gttcactttg taaaaaaaaa aaaawaaaaa aaaac      2155

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<210> 221

<211> 1264

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<400> 221

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gtgantgtaa catctgtcaa agatgcaaaa atagcagtgt actcttgtcc ttttgatggc 180
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agtaagggag aagaaaaacct catggatgca caagtcaaag ctattgctga tactgggtgca 300

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ggtgtacag ctcttcctag attgacacct cctgtccttg aagaaatggg. acactgtgac 480  
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gatgttataa taaacatatt gttactgtca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260  
aaaa 1264

&lt;210&gt; 222

&lt;211&gt; 2085

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 222

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acgtagcatt tgcacccctc caaagccatc tttgtaaagg aaaacgtatt tgtaattgaa 180  
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<210> 223

<211> 2921

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2919)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2920)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2921)

<223> n equals a,t,g, or c

<400> 223

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tgagaacccc ttcgcccagg gggccctgaa gtcagaggac tgcttcatcc tggaccacgg 1200
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&lt;213&gt; Homo sapiens

&lt;400&gt; 226

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2239

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 228

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aaaaaa

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2346

&lt;210&gt; 229

&lt;211&gt; 2246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2235)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 229.

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2246

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&lt;210&gt; 230

&lt;211&gt; 2002

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 230

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2002

&lt;210&gt; 231

&lt;211&gt; 994

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (394)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (853)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 231

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994

&lt;210&gt; 232

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature  
 <222> (49)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (440)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (485)  
 <223> n equals a,t,g, or c

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 gaagnc 486

<210> 233  
 <211> 2081  
 <212> DNA  
 <213> Homo sapiens

<400> 233  
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<210> 234

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (498)

<223> n equals a,t,g, or c

<400> 234

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<210> 235

<211> 1129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (807)

<223> n equals a,t,g, or c



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<400> 235
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<211> 1045
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (973)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1001)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1014)
<223> n equals a,t,g, or c

<400> 236
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gcttttctcc ttncacgttg atatgtatag tcgctttggg nctgccagtt cttntacttg 1020
aatgcttctg gagccaggaa aggca 1045
```

&lt;210&gt; 237

&lt;211&gt; 690

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (666)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (678)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 237

```
ggaggagggt ctgccacagc tctccgcacc tctcctctcc cagggcagcc tgtgagcagc 60
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cgctgacact gggcctggca aaacgcgtgt ggagcctgga gcggcgactg gcagctgcag 240
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agtctttgag gccccatca gagaccccc gccaccacct ccacctgcct gtcctggggc 540
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aaaaaaaaa aaaaaaaaaa agtttttttt aattttaagg cgggccaaa ttttttttcc 660
ttttngttg aagggttnat ttttagttt 690
```

&lt;210&gt; 238

&lt;211&gt; 1873

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 238

```

cccgggctca gtagtgggcg ccttccctcgc gcgctgtgtg tgcacgctgc aaagaccagc 60
aagctctctg gaccttgagg caggcctgcc gccttcattg ccactctcct catcaatcag 120
ccccagtatg cgtggctgaa agagctgggg ctccgcgagg aaaacgaggg cgtgtataat 180
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gaagcatgga aaatctgggc agatattcct gctccaaaac gaggagaaat agtaagacag 360
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```

1873

&lt;210&gt; 239

&lt;211&gt; 905

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (873)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (874)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (897)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<400> 239

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gctgtgccag aagcgggagg agctgtgccg gcagatccag gaggaggagg acgagaagca 180
gcggctgcag aatgaggtga ggcagctgac agagaagctg gcccgcgtca acgagaacct 240
ggcacgcaag attgcctctc gcaacgagtt cgaccggacc atcgcggaga cggaggccgc 300
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ggggcagggt ccagcctcca ctggcatcag tgacaagccc agggcacagc ccacccgggg 600
gtcctcgctt catgctcaca caggctatgg ggatgggtgg ctccagggtca gctctgcaag 660
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ggaggacagg ggttctcctt caccacagaa cccaaacctc aggtctcacc cctgtggcct 840
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ggggg
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<210> 240

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1480)

<223> n equals a,t,g, or c

<400> 240

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agatatataa atatacagat atacaaataa ggggtgaagat ggaggggaatc tgataaagac 180
atctttataa ttcaacagac acaaaagaat ttgatctccc ataagcaact gtgaaattac 240
aataacagat cctggggaagt tctacaattc taattcagtt ttttcaaggg ggaacatggc 300
```

```

aaagggtgttc agtttcatcc ttgttaccac cgctctgaya atgggcaggy aaatttcggc 360
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ccgggtcaaa cagcaacagg tcaagatcaa gcagcttttg caggagaatg aagtcagtt 480
ccttgataaa ggagatgaga atactgtcgt tgatcttgga agcaagaggy agtatgcaga 540
ttgttcagag attttcaatg atgggtataa gctcagtgga ttttcaaaaa tcaaacctct 600
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aattcagaga cgaatctgatg gcagtgaaaa cttaacaga ggaatggaaag actatgaaaa 720
tggctttgga aattttgtcc aaaaacatgg tgaatattgg ctgggcaata aaaatcttca 780
cttcttgacc actcaagaag actacacttt aaaaatcgac cttgcagatt ttgaaaaaaa 840
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aaacaacaaa tatgaanaaa aaaaaaaaaa nggggggctn tttt 1484

```

&lt;210&gt; 241

&lt;211&gt; 1521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 241

```

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ggtttgtgtg tttctgtttt gtttctctcc ccctgcaggg ctgtttkcgg ggtgggggtg 180
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tgaatggaga tcaaccattc tagggcctcc aggatccgtg tatgaggggt gtgtattctt 480
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aagaatctat cattgtaata ttaacagtea aggtgttatt tgcttgagca tattgaaaga 600
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ttactgtgct aataaacaat attaaaaaacc acctaataaaa cactgctgtg ttcatttact 1500  
 ttctctttgc cttttggttg c 1521

<210> 242

<211> 1144

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1093)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1139)

<223> n equals a,t,g, or c

<400> 242

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 tcccagagga gcaggaatta gaagcttatg tagatgatag agatattgat agtgatttca 180  
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 aagaatccaa gaggggtgctc caagaattaa aatctgtgct gggattttaa gcttcagagg 300  
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 tcagccgtgt tgaaatcctt gtctcctgta gacccagtgg aaccataag taattcagaa 480  
 ccatcaatga attcagatat gggaaaagtc agtaaaaatg atactgaaga ggaaagtaat 540  
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 cccg 1144

<210> 243

<211> 934  
 <212> DNA  
 <213> Homo sapiens

<400> 243  
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<210> 244  
 <211> 915  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (210)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (243)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (244)  
 <223> n equals a,t,g, or c

<400> 244  
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 gaccaccacc agctgcgctc actgactggc ctcatccgaa acctgtctcg gaacgctagg 180  
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 gtnngggtga gaagtygccc ccagccgagg tgctggtcaa catcatagct gtgtcaaca 300  
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aaaaaaaaaa aaacac

```

915

&lt;210&gt; 245

&lt;211&gt; 1276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 245

```

gaattcggca gagccccaag gaagaccagc ctgcctcttg tcggttcctg gcgctctgcg 60
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acaagatgaa gcaagatgcc tcaagaaatg ctgcctacac tgtggattgt gaagattatg 180
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1276

&lt;210&gt; 246

&lt;211&gt; 3366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 246

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ttctgcagtc gtgtcattga tgaagaactc aaccacaggt ggggagagac ttatgaggtg 360
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atttgg

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3366

<210> 247  
<211> 2148  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (1259)  
<223> n equals a,t,g, or c

<400> 247  
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<210> 248  
<211> 2225  
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<400> 248

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tgctctcttc acaaacttct acattcagac ctacaacaag aaaggggcct cccgaaggaa 360
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cattcaatag tgtgctgtca aagtgtgctt agctcacctg gatataccta cattgtttaa 2160
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aaaaa
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<210> 249

<211> 1204

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1197)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 249

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tcgccgctgg ctccgtctgt tggggggcga acacgccgcg gtcctcgtcg tggtagcgc 60
ascactcagg ctggtcctgg ggggtgggct gtaggggaaa gtgctaaagc cgctgagtga 120
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aaaa
1204

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&lt;210&gt; 250

&lt;211&gt; 1314

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 250

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tatattaaaa taaattctac catttttaa tggaaaaaaa aaaaaaaaaa aaaa 1314

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&lt;210&gt; 251

&lt;211&gt; 1159

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1132)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 251

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cctgcctcag cctcctcagt agctgggact acaagtgcct gccaccacgc ctgggttatt 60
ttttatattt ttagtagaga cgggggtttca ctgtgttagc caggatgtgc tcgatctcca 120
ggatgggtct gatctccagg atggtctcga tctcctgacg tcgtgatcca ccgcctcgg 180
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```

1159

&lt;210&gt; 252

&lt;211&gt; 2488

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2334)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 252

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gtcatggcgt cagttcacca gactcattga tttgtttttg cttgttaagc aaaggaatgt 2100
cacatacctc tgtccagctt tttaggaaat acatttcgcc tattgcgact ttttccattt 2160
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ttggccaggc tgcagtataa ctgaagcatg ccttgagag agcagacact gtngggcca 2340
gggccatctc cctttaatgt gttcatgtta aaacctattt gagtgtgaaga cttgcccttt 2400
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```

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<210> 253
<211> 1554
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1535)
<223> n equals a,t,g, or c

<400> 253
actggnatc cactactatt tggaaagctg gtcgcgctgc aggtaccggt ccggaattcc 60
cgggtcgacc cacgcgtccg nggacgcgtg ggttctggtt ttgctctagt gtttgggttt 120
cttcgcggct gctcaagatg aaccgactct tcgggaaagc gaaacccaag gctccgccgc 180
ccagcctgac tgactgcatt ggcacggtgg acagtagagc agaattccatt gacaagaaga 240
tttctcgatt ggatgctgag ctagtgaagt ataaggatca gatcaagaag atgagagagg 300
gtcctgcaaa gaatatggtc aagcagaaaag ccttgcgagt tttaaagcaa aagaggatgt 360
atgagcagca gcgggacaat cttgcccaac agtcattcaa catggaacaa gccattata 420
ccatccagtc tttgaaggac accaagacca cggttgatgc tatgaaactg ggagtaaagg 480
aaatgaagaa ggcatacaag caagtgaaga tcgaccagat tgaggattta caagaccagc 540
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ccccagaact ggatgaagat gatttagaag cagagttgga tgcactaggt gatgagcttc 660
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tctttgaagg aaagttttaac tacattgctc ttttattttt tccattaaga gactcattgc 960
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cagtttaaaa gtatttttag ctcgatatgac ttgttttcat tcattaataa taatttgaaa 1080
taaaactaag gaaatggaat cttaaaagtc tatgacagtg taactctaca gtctcaaat 1140

```

```

gacctgataa attgataaga caaagatgag attattgggg ctgttcatat tatgattcag 1200
aatcattttt tattgtggta ttatagggtg gttaaagtga tggccttttt gatggggttt 1260
gttgtgtcct gtgaacaagt cgttactgtg tccattattg gaatggaatt atcactactg 1320
tatcatgagt ggggtatttg attctatggt tccctcagta ttacatcttg acttgtaatc 1380
aattatgaat atttcttgat atttaagtga taggacattt atttatactc aataaatatt 1440
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aggatcccc gagggggggc cangcttacg cgtgncatgc gacgtccaaa gcc 1554

```

<210> 254

<211> 1506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1506)

<223> n equals a,t,g, or c

<400> 254

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ctggaagaat tcgcgtggca ggagaggcgg ggcaattttg cttagccttc tcgcgggctt 60
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ctttgtagct gagaacggct tgtttattgc tacaaagact ctattgacat tggtagcttc 180
agcggcagca gcttcttacg gtataaaagt gttgcttctt gaagaggcta caagcatcct 240
tccttaggac tgctgtaagc tttgagcctc tagcaggaga catgcctcgg ggacgaaaga 300
gtcggcgccg ccgtaatcgc agagccgcag aagagaaccg caacaatcgc aaaatccagg 360
cttcagaggc ctccgagacc cctatggccg cctctgtggt agcgagcacc cccgaagacg 420
acctgagcgg ccccaggaa gacccgagca ctccagagga ggccctctacc acccctgaag 480
aagcctcgag cactgcccac gcacaaaagc cttcagtgcc ccggagcaat tttaggggca 540
ccaagaaaag tctcctgatg tctatattag cgctcatctt catcatgggc aacagcgcca 600
aggaagctct ggtctggaaa gtgctgggga agttaggaat gcagcctgga cgtcagcaca 660
gcatctttgg agatccgaag aagatcgtca cagaagagtt tgtgcgaga gggtaacctga 720
tttataaacc ggtgcccgtg agcagtcggg tggagtatga gttcttctgg gggccccgag 780
cacacgtgga atcgagcaaa ctgaaagtca tgcattttgt ggcaaggggt cgtaaccgat 840
gctctaaaga ctggccttgt aattatgact gggattcgga cgatgatgca gaggttgagg 900
ctatcctcaa ttcaggtgct aggggttatt ccgccctta agtagatctg aggcagaccc 960
ttgggggtgt aaaagagagt cacaggtacc ccaaggagta gatgccaggg tcctaagttg 1020

```



```

aaaatgatgt cgattggggg cgggggacac tgtatttgat atttgtgac agtgatcatt 1080
gttcaactgc gaaatagagt gtttgctttt gataatggaa aattgtattc gttttaaaa 1140
tccgtttggt gagaataaca atatgtttta aaatataatt gaacaaattt ttttctttgt 1200
ttcctgtcat tgacatttag tataacagtt ttgctaacgt tctaaaaatga agtcgttcca 1260
tcataatcta tgatcttgta cagcacttat agaaaaaagc tgttcttttg aagtggaaat 1320
acccagtaaa atgttgaaaga aggatggagg atttcttcat atctgacgtt tctgaaaccc 1380
tttgtgtctg ctgttggtgtg aagattgaca ttaccatga ttttccttag ttactgcaga 1440
acatagagaa aaataaaaagc ctaacgaata gtaaaaaaaaa aaaaaaaacc tngggggggg 1500
nccccn                                     1506

```

&lt;210&gt; 255

&lt;211&gt; 654

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (632)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 255

```

actcaccnta ttggaaaagc tggtagcctt gcaggtcccg gtccggaatt cccgggtcga 60
cccacgcgtc cgatcttttc gcgccggtga gtagcactct ctgagagctc caatttcac 120
cgtctgccat cggcgccatc ctgcaatcta agccacaatg gtgcgcatga atgtcctggc 180
agatgctctc aagagtatca acaatgccga aaagagaggc aaacgbcagg tgcttattag 240
gccgtgctcc aaagtcatcg tccggtttct cactgtgatg atgaagcatg gttacattgg 300
cgaatttgaa atcattgatg accacagagc tgggaaaatt gttgtgaacc tcacaggcag 360
gctaaacaag tgtgggggtga tcagccccag atttgacgtg caactcaaag acctggaaaa 420
atggcagaat aatctgcttc catcccccca gtttggttct attgtactga caacctcagc 480
tggcatcatg gaccatgaag aagcaagacg aaaacacaca ggaggggaaa tcctgggatt 540
ctttttctag ggatgtaata catatattta caaataaaat gcctcatgga caaaaaaaaa 600
aaaaaaaaaa aaaaaagggs gsggtctag anggtccaag cttacgtacg cgtg      654

```

&lt;210&gt; 256

&lt;211&gt; 1992

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 256

```

gctcgccata cacctgcgca acgcatgac caccgcgaag aaggaaacat accagtctgt 60
gtacaactgg cagtatgtgc actgcctctt cctgtggtgc cgggtcctga gcactgcggg 120

```

```

ccccagcgaa scctccagcc cttggtctac ccccttgccc aagtcatcat tggetgtatc 180
aagctcatcc ccactgcccg cttctaccctg ctgcgaatgc actgcatccg tgccctgacg 240
ctgctctcgg ggagctcggg ggccttcac cgggtgctgc ctttcatcct ggagatgttc 300
cagcaggtcg acttcaacag gaagccaggg cgcattgagct ccaagcccat caacttctcc 360
gtgatcctga agctgtccaa tgtcaacctg caggagaagg cgtaccggga cggcctgggtg 420
gagcagctgt acgacctcac cctggagtac ctgcacagcc aggcacactg catcggttc 480
ccggagctgg tgctgcctgt ggtcctgcag ctgaagtcgt tcctccggga gtgcaagggtg 540
gccaactact gccggcangt gcagcagctg cttgggaagg ttcaggagaa ctcgggcatac 600
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aagctgcgtg accgggagat ccagctggag atcagtgga aagagcggct ggaagacctg 780
aacttcctg agatcaaacg aaggaagatg gctgacagga aggatgagga caggaagcaa 840
ttaaagacc tctttgacct gaacagctct gaagaggacg acaccgaggg attctcggag 900
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caccggggag gatattcggc agcccgggca gtcgcagatc ggaggtatga cctgcaggat 1920
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ccccaagcgc tg
1992

```

<210> 257

<211> 2273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2273)

<223> n equals a,t,g, or c

<400> 257

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ggcacgagct ggcggggaag gagaggtcag gcgctccggg ctcgcccgt aggtcggggc 60
cgcggcgtec cccaccctaa gtcccacctc cggccgggca tgggtacccg ggcgggctc 120

```

```

gctcggcctg ggccactca ctggtccaga agcagctgta ggtgccacc aagcccatga 180
cgacgctgct ggccagggtc cagccctatt caggcaggag ctgctcttct ggggtatcgc 240
gatccactta aggatgaggc agacttggtg acaagctggt ctgagcagcg cttccagagc 300
cagaactgag ccagtgaga gcgcaccctg gggcagcctg gattcctggg gtgtcccccg 360
cagccacaca cagccatgca ctacccaact gcactcctct tcctcatcct ggccaatggg 420
gccaggcct ttcgcatctg cgccttcaat gccagcggc tgacactggc caaggtggcc 480
agggagcagg tgatggacac cttagtctcg atactggctc gctgtgacat catggtgctg 540
caggaggtgg tggactcttc cggcagcggc atcccgtcc tgcttcgaga actcaatcga 600
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tataatccgg tgaacaatgc agtcaggcct gttataaccg ctgagcagcc acactcgac 1860
ctcctgggtg ctgtagtctg tgttggtaca ggcttctgca tgccttggtg agtccagcca 1920
aggctggtca aggcaacatc tccacacaga aaatctgcac cagttatgta agctaaaaag 1980
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gggacgctag aagggtcatg tgtttaactat aatcacattt atggtttgga accatcacc 2160
caaggtaaaa aaaaaataaa aggtattccc aggtatgttt ggcaaaataa aataaaggta 2220
attaaaaacc taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaattttgcg ncn 2273

```

&lt;210&gt; 258

&lt;211&gt; 1504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 258

```

ctgtactctg ccctagattg ttttagcttc tgttctgtaa tcatgagttt ggttggagat 60
attctccata gatgatcttc tactgaaatg cctaaagaag tcacaggctg gcttctgttt 120
tattcaggga tttttttaaa aagtcaatca gaaaagggat actggagctt cttcatgtat 180
gtaacagcat attaaactgg agacagtgat gaatcagcta caaaggtaat attgtattaa 240
aatcatgttt aagatagctg cttttatgtg tattttatat tgcattgctt tgtaaaaaca 300
tgctgggtga tgaagatta gtttttagaga gaaaatgttc atctgtcgag aggatgcatt 360
ttcttccatt aattctggaa aaacgttca cagttatata tatggtattt tgcaaaagga 420
ctattaatag aaccttttga gatgaattaa tgtaagaata ttttttaaat aggcttactg 480

```

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tcaaattgca actttttttt tagatacaga gtgaaaaaca gtgctaagtc atttggcacc 540
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aaaaatgtat tttatcatta aatggcatta ttttaaaggg tgaaaaactg acacagtcac 660
ttcagaaaaa ggactgaagt ctgaataagg tcattgcatt taaaaagcat ataactgtac 720
ttgactgatg agggaggtgt tacttttcatt gtatataggt cttatttcac aaacagatat 780
cctgtatcaa ataaaagtat ttgttatata ttgaaagtta tgcattggaaa ggagtgtgtt 840
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ttcataatct atattttaac aaaattacat cattgcatca tcttttctaa attcatctcc 1380
attaaaactt gccttaagct accagattgc ttttgccacc attggccata ctgtgtgttt 1440
gtttgtttaa ttacttttca caataaactt ctgtgtagta aaaaaaaaaa aaaaaaaaaa 1500
aaaa 1504

```

<210> 259

<211> 1792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1306)

<223> n equals a,t,g, or c

<400> 259

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tgttccgaat aaaggccatc aggctgggag agaagctcct gccgcnttc aacaccccca 120
cgggaaatccc aaaggcgctg gtgagcttca aaagtgggaa ctggggctgg gccacagccg 180
gcagcagcag catcttgccg gagtttgat ccctgcactt ggaattctta cacctcactg 240
aactctctgg caaccaggtc ttcgctgaaa aggtcaggaa catccgcaag gtcctcagga 300
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tgcaacacca tgtctcagtt ggaggactcg gggacagttt ttatgaatat ttgatcaaat 420
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aggcgantag agacctactt gctgaatgty tctcccgggg ggctgacctt cattgccgag 540
tggcgagggg ggattctgga ccacaagatg gggcacctgg cctgtttctc cgggggcag 600
atcgcccttg gcccgaggat gccaaaggag aaaagagggc ccaactaccga gagctcgag 660

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cccagatcac caagacgtgt cacgagtcac acgcccgcgc agacacccaaa cttggggcctg 720
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catcctccgg ccagaggtgg tggagagcta catgtacctg tggcgacaga cccacaaccc 840
catctacagg gagtggggct gggaggtggt gctggccttg gagaaatact gtcggacaga 900
agccgggttc tctgggatcc aagacgtgta cagtagcacc cccaaccacg acaacaagca 960
gcagagcttc tttctagcgg agacactaaa gtatctctat cttctgttct ctgaagatga 1020
cttgctctcc ctggaagact ggggtgttcaa caccgaggcc caccactcc cggatgaacca 1080
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catatagttt tcaaaatcat gcactttcta aaatggtgtc atcctgaaaa acaaaaccca 1560
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acactgaccc tatgttcaac tttgtgtcat ttacctata atttgaggag ggggttccct 1680
ttgggcctca gtgttacaaa ttactagtgc tattttcatt attattgtaa tggaaaaaac 1740
tgtggactag aataaaagag tttattgaat aagaaaaaaa aaaaaaaaaa aa 1792

```

&lt;210&gt; 260

&lt;211&gt; 2048

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 260

```

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ttctggggac acttgggggc cacaatccca ggtccatact ctagggtttg gataccatga 1980
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aactcgac 2048
```

<210> 261

<211> 1282

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1265)

<223> n equals a,t,g, or c

<400> 261

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cctatagcaa tggaactcag cgatgcaaat ctgcaaacac taacagaata tttaagaaaa 180
acacttgatc ctgacccctg catccgacgt ccagctgaga aatttcttga atctgttgaa 240
ggaaatcaga attatccact gttgcttttg acattactgg agaagtccca ggataatgtt 300
atcaaagtat gtgcttcagt aacattcaaa aactatatta aaaggaactg gagaattgtt 360
gaagatgaac caaacaataa ttgtgaagcc gatcgagtgg ccattaaagc caacatagtg 420
cacttgatgc ttagcagccc agagcaaatt cagaagcagt taagtgatgc aattagcatt 480
attggcagag aagatttttc acagaaatgg cctgacttgc tgacagaaat ggtgaatcgc 540
```

```

tttcagagtg gagatttcca tgttattaat ggagtcctcc gtacagcaca ttcattattt 600
aaaagatacc gtcatagaatt taagtcaaac gagttatgga ctgaaattaa gcttgttctg 660
gatgcctttg ctttgccttt gactaatctt ttttaaggcca ctattgaact ctgcagtacc 720
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tggatgaata attttcatac tctcttaaca ttggataata agcttttaca aactgatgat 900
gaagaggaag ccggccttatt ggagctctta aaatcccaga tttgtgataa tgccgcactc 960
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nggtnttggc actagacgca gg

```

1282

&lt;210&gt; 262

&lt;211&gt; 599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 262

```

ggcacgagcc ccggcagagg cggargcgga gtcggcctga gaggtctctc gtcgctgcag 60
gcgcctcagc ccagccgcgt gccttgcccc atggccgcct actcttaccg ccccgggcct 120
ggggcgccgc ctgggcctgc tgcaggcgcg gcgctgcccg accagagctt cctgtggaac 180
gttttccaga gggctgataa agacaggagt ggagtgatat cagacaccga gcttcagcaa 240
gctctctcca acggcacgtg gactcccttt aatccagtga ctgtcaggtc gatcatatcc 300
atgtttgacc gtgagaacaa ggccggcgctg aacttcagcg agttcacggg tgtgtggaag 360
tacatcacgg actggcagaa cgtcttcgc acgtacgacc gggacaactc cgggatgac 420
gataagaacg agctgaagca gggcctctma gtttcggcta ccggctctct kaccagttcc 480
acgacatcct cattcgaaag kttgacaggc argggacggg gcaratcgsc ttcgacgast 540
taatccaagg ctggcatggc ctgcagaggt ttacggatat attcaaagggt ttcggcacg 599

```

&lt;210&gt; 263

&lt;211&gt; 1261

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 263

```

ggcacgaggt tgttcggagc gggcgagcgg agttagcagg gctttactgc agagcgccgc 60
gggcactcca gcgaccgtgg ggatcacggt aggtgagctg tggccttttg cgagggtgctg 120
cagccatagc tacgtgcgtt cgctacgagg attgagcgct tccaccaggt aagtgggcaa 180
gaggcgccag gaagtgggta cgcaggggcg caaggcgcac agcctctaga cgactcgctt 240
tccctccggc caacctctga agccgcgtcc tactttgaca gctgcagggc cgcggcctgg 300
tcttctgtgc ttcaccatct acataatgaa tcccagtatg aagcagaaac aagaagaaat 360
caaagagaat ataaagaata gttctgtccc aagaagaact ctgaagatga ttcagccttc 420
tgcattctgga tctctgttg gaagagaaaa tgagctgtcc gcaggcttgt ccaaaaggaa 480
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agcacttaag gaaaatgaga aacttcataa agaaattgaa caaaaggaca atgaaattgc 720
ccgcctgaaa aaggagaata aagaactggc agaagtagca gaacatgtac agtatatggc 780
agagctaata gagagactga atggtgaacc tctggataat tttgaatcac tggataatca 840

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ggaatttgat tctgaagaag aaactgttga ggattctcta gtggaagact cagaaattgg 900
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aggattttct cagttgtcag ccatgactta tgtttattac taaataaact tcaaacctct 1200
gttgaacatt gtgtataact tagaataatg aaatataagg agtatgtgta gaaaaaaaaa 1260
a

```

1261

&lt;210&gt; 264

&lt;211&gt; 1020

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 264

```

ctgctcctgg ccaacatcca gtattttatc ttgactgtcc taaccttacc ttagatgcta 60
acagaagggt cctgctcaaa taacactggg tgctatattg atgggtaaat gtgtacatcc 120
tattccttcc tctttatctc acaatttttg tctccactaa gcaagaagta aactaacact 180
tcgtcactct aaagaaataa cttatgtaaa actcttagta accctgtttg tcttcaaatg 240
agtaaataga ccaaagtggg gggacaattt tctagtctcg tagagggaaa aacatctgag 300
tcaacatttt gaaatgcaga gggatttggg acatgacgac atggaaaagg gcacttttaa 360
acacagctta ctcttcctca agtacagaga gtatatagtg aatcaaaaact aactacagcc 420
attcttttta aagcccaagg gatggagcaa aggtgtaagg atgttacctg ttgttttaa 480
tcagagagca aaaagaagtc acaatagttt gggagaaaaa gtagtatggg gagtaagggt 540
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acactgccaa cacgtcaatt ttttaaaaag cgtgggccac attgctaaga atttggttaa 660
gcataactgt attttttggg ttagggcctt attgatgttt tgccgttcca atgtatgcat 720
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aactactcaa agacggcagt gtaaaagcaa gtcttaggaa agtcccatat tatttgtgtc 840
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aaaacaaacc gttcaacagg ttcccccaac cgcccacgcc acataaagaa cagacataatc 960
tacacttgaa aaagctcata cctgtctcag ttctgaaagt cccttaagga ttgcttgctg 1020

```

&lt;210&gt; 265

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (557)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 265

```

ctttacggca sgmgctccgcg tcgctagcta gtcgttctga agcggcgggc agagaagagt 60
caagggcacg agcatcgggc catgccttctc ttggacatcc agaaaagggt cggccttaac 120

```



```

atagatcgat ggttgacaat ccagagtggg gaacagccct acaagatggc tggtcgatgc 180
catgcttttg aaaaagaatg gatagaatgt gcacatggaa tcggttatac tcgggcagag 240
aaagagtgcg agatagaata tgatgatttc gtagagtgtt tgcttcggca gaaaacgatg 300
agacgtgcag gtaccatcag gaagcagcgg gataagctga taaaggaagg aaagtacacc 360
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tctggaggct gattttcctg ttctctgttc tccactggaa aggttgttta cgacaaacct 480
ccttgtaaaa gtgtgtaaaa ataaaggatt gctccatcct aaaaaaaaaa aaaaaaaaaa 540
aaaatttggg ggggggnccc cgtancccat t

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571

&lt;210&gt; 266

&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1313)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 266

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ggaccggggc ggggtccagtc ccgggcgggc cgtcgcggga gagaaataac atctgctttg 120
ctgccgagct cagaggagac cccagacccc tcccgcagcc agagggttg agcctgctca 180
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1350

&lt;210&gt; 267

&lt;211&gt; 1319

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<400> 267  
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cctactgacc cggcgactga caggctccaa ctacccgggg ctcagtatta gccttcgcct 180  
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gggggggggc 1319

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<211> 3694  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (746)  
<223> n equals a,t,g, or c

<400> 268  
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gaggtgtggc ggagcctgtg cgcccgacgc ctggcagaag aggcctctgcg cacggacatc 120  
ctgtgcaacc tgccagacta caaggccaag atacgtgctt ttcaacatgc cttcagcact 180

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tgggaagtgt ggtggggagg ccctctgggc actgtggcag tgattggaat tgccacaaaa 360
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tgaggagagc atttcggtag aagacagttg cgctgaaga ttgagtgtaa atcattcaaa 3060
ccagtgttgc tcaagtgttg ctgtatacac tttgtagtca ctttggaaat ttggaagaca 3120
catcgatgct tgggttccgt atgccaagat tctgatgttg gtctggaata tgagctggtc 3180
ataaggattt ttaaaaactt tctggtcatt tcaatatgct gccagggttg agaaccactg 3240

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tgccgtggat gaaaagtgcct attaaaagtc aaaggagtgt tctgtttcaa ttcatagtat 3420
gatcagggaa agtgtaactg agtatacttt gttgacttgg gaaacctgga gcactttctt 3480
tggttggtta acgaagcatg cagatgtgga agcagacgtt actattatcc ctactatggt 3540
cttctgtcat actgagacag gctgttttaa ttacctggtt ttacatagga aagaagaaat 3600
attaaggctt aaagtttgta atgatcaatg gctcataatt cattaaaatct tttcatacaa 3660
ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa                                     3694

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<210> 269

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1233)

<223> n equals a,t,g, or c

<400> 269

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ttttgtattg atatatgtac tgtgtgtgtc tgtgtgtgtg agatcaagat cagggtttga 180
ttggtgatgt actattactg ttgtccttgg tcagggacac agaggatgtt tggggtttg 240
tggtgagaca ttatctaaca cgtgctgtgt cctttttggg tttgagcccc acaccagtga 300
gaagcatcag caccgtgaac ttgtctgaga atagcagtg tgtcatcccc ccaccgact 360
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catccacctt taaggcccca gcgtccaagc ccgagaccgn ggctcctaac gatgccaacg 480
ggactgcaaa gccgcctttt ctcagcggag aaaacccctt tgccactgtg aaactccgcc 540
cgactgtgac gaatgatcgc tcggcaccca tcattcgatg agaggacagc caaggactct 600
cccgggcctc tccggttctc ccttgcgga tgatgggcgc atcctgtctg ccacgtgctg 660

```

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acggtcggga agcttcagtg gagaggccta actctaattgt cgcttgctta agcaaatcat 720
gcttctctgt ttcacgtagt tgggttgaca agtttctgcc tttaagataa atgagtaata 780
gtctaataac cagctcagcc atttaaaata ttttcttcct attctgttca agaaacagta 840
aacttggttt caatctttac tgtatttttt aaatgaattt tttccttaat aacagccaga 900
ataagggata gtctatgctt tcaggactgg ctttctgcac ctgatatgaa tgagaccagt 960
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ttgcatctta gcatgcaaat cataatttta agcaatataa attatgaaaa tactatataa 1080
atgtaattta acttaaaatg tttaagtgtg gagcttccag agrtggggagg aaacccccac 1140
cctccctcca accacgccag agsctgtagg agtgctaagg acgstttgcc tggcccttta 1200
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```

<210> 270

<211> 2057

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2053)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2054)

<223> n equals a,t,g, or c

<400> 270

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cggagcgggt tghtaatgtat tncctggattt tattttgctg tattagctcc tcaagagtta 60
ctgatctatg aaatggcaga gaatggaaaa aattgtgacc agagacgtgt agcaatgaac 120
aaggaacatc ataattggaaa ttccacagac ccctcttcag tgaatgaaaa gaagaggagg 180
gagcgggaag aaaggcagaa tattgtcctg tggagacagc cgctcattac cttgcagtat 240
ttttctctgg aaatccttgt aatcttgaag gaatggayct caaaattatg gcatcgtcaa 300
agcattgttg tgtctttttt actgctgctt gctgtgctta tagctacgta ttatgttgaa 360
ggagtgcac aacagtatgt gcaacgtata gagaaacagt ttcttttgta tgccctactgg 420
ataggcttag gaattttgtc ttctgttggg cttggaacag ggctgcacac ctttctgctt 480
tatctgggtc cacatatagc ctccagttaca tttagctgctt atgaatgcaa ttcagttaat 540
tttcccgaa caccctatcc tgatcagatt atttgtccag atgaagaggg cactgaagga 600
accatttctt tgtggagtat catctcaaaa gttaggattg aagcctgcat gtggggatc 660
ggtacagcaa tcggagagct gcctccatat ttcatgggca gagcagctcg cctctcaggt 720
gctgaaccag atgatgaaga gtatcaggaa ttgaagaga tgctggaaca tgcagagtct 780
gcacaagact ttgcctcccg ggccaaactg gcagttcaaa aactagtaca gaaagtggaa 840
ttttttggaa tttttggcctg tgcttcaatt ccaaatccct tatttgatct ggctggaata 900
acgtgtggag actttctgtt accttttttg accttctttg gtgcaacctt aattggaaaa 960
gcaataataa aaatgcatat ccagaaaaatt ttgtttataa taacattcag caagcacata 1020
gtggagcaaa tgggtgcttt cattgggtgt gtccccggca taggtccatc tctgcagaag 1080
ccatttcagg agtacctgga ggtcacaacgg cagaagcttc accacaaaaa cgaatggggc 1140

```

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acaccacagg gagaaaactg gttgtcctgg atgtttgaaa agttggtcgt tgtcatgggtg 1200
tgttacttca tcctatctat cattaactcc atggcacaaa gttatgccaa acgaatccag 1260
cagcggttga actcagagga gaaaactaaa taagtagaga aagttttaaa ctgcagaaat 1320
tggagtggtat gggttctgcc ttaaattggg aggactccaa gccgggaagg aaaattccct 1380
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ggccatttta tgatgcattg cacaccctct ggggaaattg atctttaaat tttgagacag 1860
tataaggaaa atctgggttg tgtcttaciaa gtgagctgac accatttttt attctgtgta 1920
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aaaaaaaaaa aannaaa 2057

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<210> 271

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (956)

<223> n equals a,t,g, or c

<400> 271

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tgccaggccc agcagccacc acagcgccctg cttcctcgge cctgaaatca tgcccctagg 180
tctcctgtgg ctgggcctag cccctgttggg ggctctgcat gcccaggccc aggactccac 240
ctcagacctg atcccagccc cacctctgag caaggtcctt ctgcagcaga acttccagga 300
caaccaattc cagggggaagt ggtatgtggt aggcctggca gggaatgcaa ttctcagaga 360
agacaaaagc ccgcaaaaaga tgtatgccac catctatgag ctgaaagaag acaagagcta 420
caatgtcacc tccgtcctgt ttaggaaaaa gaagtgtgac tactggatca ggacttttgt 480

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tccaggttgc cagcccgcg agttcacgct gggcaacatt aagagttacc ctggattaac 540
gagttacctc gtccgagtg tgagcaccaa ctacaaccag catgctatgg tgttcttcaa 600
gaaagtttct caaaacaggg agtacttcaa gatcacccctc tacgggagaa ccaaggagct 660
gacttcggaa ctaaaggaga acttcatccg cttctccaaa tctctgggce tccctgaaaa 720
ccacatcgtc ttccctgtcc caatcgacca gtgtatcgac ggctgagtg acaggtgccc 780
ccagctgccc caccagcccc aacaccattg agggagctgg gagaccctcc ccacagtgcc 840
acccatgcag ctgctcccca gggcaccccc ctgatggagc cccaccttgt ctgctaaata 900
aacatgtgcc ctcaggaaaa aaaaaaaaaa aaaaaaaaaa aagggggggg ncccgntccc 960

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<210> 272

<211> 1167

<212> DNA

<213> Homo sapiens

<400> 272

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cggcggcggg aaatcggtct tgggagagag gctaggcctc tgaggaggcg aatccggcgg 120
gtatcagagc catcagaacc gccaccatga cgggtgggcaa gagcagcaag atgctgcagc 180
atattgatta caggatgagg tgcacctctg aggcgggccc gatcttcatt ggcaccttca 240
aggcttttga caagcacatg aatttgatcc tctgtgactg tgatgagttc agaaagatca 300
agccaaagaa ctccaaacaa gcagaaaggg aagagaagcg agtcctcggt ctggtgctgc 360
tgcgagggga gaatctggtc tcaatgacag tagagggacc tcctcccaaa gatactggta 420
ttgctcgagt tccacttgct ggagctgccg ggggccagg gatcgccagg gctgctggca 480
gaggaatccc agctggggtt cccatgcccc aggcctctgc aggacttgct gggccagtcc 540
gtgggggttg cgggccatcc caacaggtga tgacccaca aggaagaggt actgttgagc 600
ccgctgcagc tgetgccaca gccagtattg ccggggctcc aaccagtagc ccacctggcc 660
gtgggggttc tccccacct atgggccgag gacaccccc tccaggcatg atggggccac 720
ctcctggtat gagacctct atgggtcccc caatggggat cccctctgga agagggactc 780
caatgggcat gccccctccg ggaatgcggc ctctccccc tgggatgcga ggccttcttt 840
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aaaaaactyrr gggggggccc ggtccca 1167

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<210> 273

<211> 2771

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>  
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 <222> (42)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (64)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2715)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2717)  
 <223> n equals a,t,g, or c

<400> 273  
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 ccagcagtc ttcagggaag atgggagggc aggagaagcc gattggtgct ggtgaagaga 240  
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 cagaacatga ttccattctg gcagaaaagg cagaaaaaga tagcaagcca attaaagtca 420  
 ctttgctga tggtaaacag gttgatgcgg aatcttgga aactacacca tatcaaattg 480  
 cctgtggaat tagtcaaggc ctggccgaca acaccgttat tgctaaagta aataatggtg 540  
 tgtgggacct ggaccgccct ctggaagaag attgtacctt ggagcttctc aagtttgagg 600  
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 gtaagaaaat cattaagaa aaacaagctt ttgaaagact ggaagttaa aaagaaactt 840  
 tactggcaat gtttaagtac aacaagttca aatgccggt attgaatgaa aaggtgaata 900  
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 tgccaaaagg agcctacatt tataatgcac ttattgaatt cattaggagc gaatatagga 1260  
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 tataatagcgt atttggaatt tcttttaaac taaacctttc tactcgcccc gaaaaattcc 1680  
 ttggagatat cgaagtatgg gatcaagctg agaaacaact tgaaaacagt ctgaatgaat 1740  
 ttggtgaaaa gtgggagtta aactctggag atggagcttt ctatggccca aagattgaca 1800



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cagtgattgt tcatcgagcc atcttgggat cagtggaaag aatgattgct atcctcacag 1980
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caacctgcag gcgtaactat ttttgaccta gtcagttttt aaacaatgtg catttgaagg 2520
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taagccgaat t                                     2771

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<210> 274

<211> 1889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1676)

<223> n equals a,t,g, or c

<400> 274

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gttcggaaac ctatcgatta cacagtnctg gatgatgtgg gccatgggtg cangcatgga 120

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aatagaccag cctgcaggaa ctggcacact gtcgagaaca aatcctccta ctcagaaacc 180
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ggaacctgtt aaaccccaa cagttcctaa tgactatatg accagtcctg ctaggcttg 300
aagtcagcat agtccaggca ggacagcatc tttaaatcag agaccaagga cacacagtgg 360
aagtagtgga ggaagtggaa gtcgagaaaa cagtggtagc agtagtattg gcattcccat 420
tgctgtgcct acaccttcgc caccactat tggaccagca gccccgggct cagtccttg 480
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atcttctggt ggatacagac gaactccctc tgtgactgct caattttctg ctcagcctca 600
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cattataaac tttttccatt cataaatata taagtgaacc aaaggttttt gtöctttcct 1800
tactgatatt gctttaaaaa aaataaaaaga taatgattta ttgcagaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaaaataaa aaaaaataaa 1889

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&lt;210&gt; 275

&lt;211&gt; 604

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 275

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gggccaaatt gcgttactga gcatgttctg accggcccggt ttgggcatca cctgccattc 120
tcctgccatc ctctcaacag ctctgtgggg tgggtcctcc cccatacctg atgcaccgac 180
cacacagtgg aaagtgcaca agccagcgcc ttgccccagg ccccgagggg tggagcccg 240
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aggagcagac atcattccct gccctggcag tgacttggag ccctgaagaa gggaccaatc 420
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ctgggggctg ccacgtgttt aggaacaaaa gtatgcgcta ctgtctgaaa acaaaaaaag 540
cagatgcctt tgttttcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaag 604

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&lt;210&gt; 276

&lt;211&gt; 1381

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1359)
<223> n equals a,t,g, or c

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<211> 1149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (680)

<223> n equals a,t,g, or c

<220>

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<223> n equals a,t,g, or c

<400> 277

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<211> 1260  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1249)  
<223> n equals a,t,g, or c

<220>  
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&lt;210&gt; 280

&lt;211&gt; 1668

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 280

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agtgcctttg ttatagtgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1668
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&lt;210&gt; 281

&lt;211&gt; 2328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 281

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&lt;210&gt; 282

&lt;211&gt; 956

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 282

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<210> 283

<211> 1402

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (88)

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<221> misc feature

<222> (97)

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<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

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<222> (1344)

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<222> (1355)

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<220>

<221> misc feature

<222> (1394)

<223> n equals a,t,g, or c

<400> 283

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<210> 284

<211> 675

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<400> 284

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675

&lt;210&gt; 285

&lt;211&gt; 1339

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1330)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1331)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 285

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1339

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<211> 1398
<212> DNA
<213> Homo sapiens

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1398

<210> 287
<211> 926
<212> DNA
<213> Homo sapiens

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<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (896)
<223> n equals a,t,g, or c

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<222> (917)  
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<210> 288  
<211> 3094  
<212> DNA  
<213> Homo sapiens

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&lt;210&gt; 289

&lt;211&gt; 1983

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 289

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&lt;210&gt; 290

&lt;211&gt; 1298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1224)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1231)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1262)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1285)

&lt;223&gt; n equals a,t,g, or c

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<210> 291
<211> 2459
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
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<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1604)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>  
<221> misc feature  
<222> (2392)  
<223> n equals a,t,g, or c

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<210> 292
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

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<210> 293
<211> 2468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2076)
<223> n equals a,t,g, or c

<400> 293
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taaaaaaa 2468

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&lt;210&gt; 294

&lt;211&gt; 1080

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1038)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 294

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<210> 295

<211> 2695

<212> DNA

<213> Homo sapiens

<400> 295

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tccatatata cagaatttag acaataata agtccttagt tcaacttaag catatctcaa 180  
atgactttctc taaattttaa gttgatcatg ataggatcat aaaagacaga aaagacttaa 240  
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tctgtaccat ttacgaatt tctgtcttca taatataagt gaaaatactg tcatttcaat 480  
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&lt;210&gt; 296

&lt;211&gt; 1394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1238)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 296

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acaccaaaaa aaaa 1394

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&lt;210&gt; 297

&lt;211&gt; 998

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 297

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 998

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&lt;210&gt; 298

&lt;211&gt; 1666

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 298

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&lt;210&gt; 299

<211> 2444  
<212> DNA  
<213> Homo sapiens

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<222> (4)  
<223> n equals a,t,g, or c

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<222> (402)  
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<210> 300

<211> 1026

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1026)

<223> n equals a,t,g, or c

<400> 300

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aaaaan
1026

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<210> 301

<211> 830

<212> DNA

<213> Homo sapiens

<400> 301

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<210> 302

<211> 3300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3280)

<223> n equals a,t,g, or c

<400> 302

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<211> 475

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

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 <222> (470)  
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<210> 304  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2891)  
 <223> n equals a,t,g, or c

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2902

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&lt;211&gt; 1553

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 305

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&lt;210&gt; 306

&lt;211&gt; 1987

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (731)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 306

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atttaataaa taagcataac attgaatatt agctaaatca gattcattaa tgggtgtctat 1980
catttcc

```

&lt;210&gt; 307

&lt;211&gt; 785

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 307

```

gcgcgacccg ccccgctccg tccagtctgg cctgggcgcc gcgggaacgc tgtcctgget 60
gcgcgccccc gaacagcctg tcctgggtgcc ccggctccct gccccgcgcc cagtcatgac 120
cctgcgcccc tcaactcctc cgctcccatct gctgctgctg ctgctgctca gtgcggcggt 180
gtgccggggt gaggtctggc tcgaaaccga aagtcccgtc cggaccctcc aagtggagac 240
cctgggtggag cccccagaac catgtgccga gcccgctgct tttggagaca cgcttcacat 300
acactacacg ggaagcttgg tagatggacg tattattgac acctccctga ccagagaccc 360
tctggttata gaacttggcc aaaagcaggt gattccaggt ctggagcaga gtcttctcga 420
catgtgtgtg ggagagaagc gaaggccaat cattccttct cacttggcct atggaaaacg 480
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ggccatgggt ccagccctcc tgggcctcat tgggtatcac ctatacagaa aggccaatag 660
acccaaagtc tccaaaaaga agctcaagga agagaaaacg aacaagagca aaaagaaata 720
ataaataata aatttttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaa

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785

&lt;210&gt; 308

&lt;211&gt; 2178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 308

```

ggcagaggrc gggaagaccg agtggctctt tggcatggat gagggccgga aacagctggc 60
ggccagtgtc ggcttcagga ggttgattac agtggccctt caccgaggtc agcagtatga 120
aagcatggac cacatccaag ctgagctgtc rgctagagtc atggagcttg cccagctgg 180
gatgccacc cagcagcagg tcccccttct gtctgtgggt ggggacattg ggtccggac 240
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ggatgacaag cgatacttcc gtcgactgat ctctctcagc aacaggaatg tggtcagtc 360
cgaagccagg ttgtgaaagg atgtgtctca caaagcccag aagaagcggg aaaaggacag 420
gaagaagcag cggcctgtct atgcggagga cctccctgca gccccggggc agtccattga 480
taagagttac ctgtgttgtg aacaccacaa agccatgac gctggccttg cctgtctgag 540
aaaccagag ctactcctag agatcccact ggcatgtgtg gtggtaggcc tggcggggg 600
cagcctcccc ctctttgtcc acgatcattt tccaaagtcc tgcattgatg ctgtggagat 660
cgatccctcc atgttggaag tggccaccca gtggtttggc ttctccaga gtgaccgaat 720
gaaggtccac attgcagatg gcctggacta tctgcacagc ttggcaggag gaggagaagc 780
acggccttgc tacgatgtca taatgtttga tgttgacagt aaggaccaa cactgggaat 840
gagttgtccg cccccagcat ttgtggagca atcttttcta cagaagggtta aaagcatctt 900
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```

```

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aaaaaaaaaa aactcgta 2178

```

&lt;210&gt; 309

&lt;211&gt; 875

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 309

```

caagctcctg tggccacctg tgtcccagca gcagtgtgtg gagctgtctc ggggtgccc 60
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gtaacttatac tggaagggaa agcacatgcc ttcacgggca gggatgttct cttttcttct 180
cggggtgttg acttgcatte ctgtgtgaac tgttccctct gccatgttta ccgtgtgatg 240
ttctgtagtt gaaaatgtta gttgtctgct ggacacagaat ttatctctgt cctttctctc 300
ccttctctcc tccaaatcag tctcttccct tctccactag ataactgtaa aaccttttcc 360
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gtttatcact gttgggtgga gtcacgtccc ttcctccac cgaagtcac aaccagatag 480
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agtaaatgtc aataacccaa gcctttgtca tagcagtcac ttggttgact taggatctgg 600
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tacctctccc aggtcctctc acttgctgc cccgcgtcct ggttgcattg ccgcacctgt 720
gtgtgtgcag aggtctgtgt cccatctctt gcacctcctt tccggggggc tggggagccc 780
cacgtgttgc caagatctgt gtgcaataaa atactccgtt tttgtgaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 875

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&lt;210&gt; 310

&lt;211&gt; 756

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

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<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (756)
<223> n equals a,t,g, or c

<400> 310
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cacgcgtccg ggcccgtggc gccgacagga tgggcaagtg tcgtggactt cgtactgcta 120
ggaagctccg tagtcaccga cgagaccaga agtggcatga taaacagtat aagaaagctc 180
atttggggcac agccctaaaag gccaaaccctt ttggaggtgc ttctcatgca aaaggaatcg 240
tgctggaaaa agtaggagtt gaagccaaac agccaaattc tgccattagg aagtgtgtaa 300
gggtccagct gatcaagaat ggcaagaaaa tcacagcctt tgtacccaat gacgggtgct 360
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tgtagtaata aattttcata tgccaaaaaa aaaaaaaaaa aaaaaaaagg gsgggcscyc 600
taaaagatcc tcaagggcc aagcttacgc tgcattgcnc tctactctct cctatatgaa 660
tctattataa ctagcctggc ctcnttacac tctgatggaa ttctactgga ttttaagact 720
atcttggtat atgacactct caaataacca gtattn 756

<210> 311
<211> 851
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (834)
<223> n equals a,t,g, or c

<400> 311
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ccaggagcac agctgtgatg aacagtactt gtgtcagttc tgtgaacatg aaactaatga 120
tccagaagac ttgcatagcc atgtgtgtaa tgagcatgca tgtaaatata tagagttaag 180
tgataagtat aacaatggtg aacatggaca gtatagcctc ttaagcaaaa ttacctttga 240
caaatgtaaa aacttctttg tatgtcaagt atgtggtttt cggagtagac ttcacacaaa 300
tgtaaacagg catgttgcta ttgaacatac aaaaattttt cctcatgttt gtgatgactg 360
tgggaaaggc ttttcaagta tgctagaata ttgcaagcat ttaaattcac atttatctga 420

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agggatttat ttatgtcaat attgtgaata ttcaacagga caaattgaag atcttaaaat 480  
tcatactagat ttcaagcatt cagctgactt gcctcataaa tgtagtgact gcttgatgag 540  
gtttggaaat gaaagggaat taataagtca ccttccagtc catgagacaa cttgattatt 600  
ctctttaact tacagaatgt tagtttaaaa taataaattc atcctttttt tggagatgat 660  
taaattggatg attgtaaaca caacttatga aatctgcctt taacaagtaa ctttttttaa 720  
ttataaaatt ttattggcat tgctccattt tctgtatata aatatacttt taatgtggtg 780  
ttttcaaaaa aaaaaaaaaa aaaaaaatcc acgcggcgcg gaattcccg gtcnaacaag 840  
ctcactaatc c 851

&lt;210&gt; 312

&lt;211&gt; 1335

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 312

cagaaccgca ccagcagcca accttgccag caggattcct gcagcctctg cggcagccat 60  
gaacctagcc agcaaaggag cggcgaggat cctcctcgtc gtcgtcgtcc tctagctcct 120  
cctcctcttc atcatcgtcg tcgtcgtcct cctcctcctc tggctccagt tctagtact 180  
cagagggtc tagccttctt gtgcaacctg aggtggcact gaagagggtc ccagcccca 240  
ccccagcccc aaaggagggt gtctgagagg gacgtcctcc ggagccaacc ccagccaaac 300  
ggaagaggcg ctctagcagt tccagttcca gctcctcctc ttcactctcc tctcctcct 360  
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cctcgtcgtc ttctcctcct tcccctgcta agcctggccc tcaggcttgc ccaaacctgc 480  
aagccccaag aagccacccc ctggcgagcg gaggtccgc agccccgga agccaataga 540  
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gcgtggggag agccgctccc ccagccacaa gcgcaggagg gagacaccta gccctcggcc 720  
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actttttctg tcaaataaaa atgagaaatg caggaaaaaa aaaaaaaaaa aaaaaaaaaa 1320  
aaaaaaaaaa aaaaa 1335

&lt;210&gt; 313

&lt;211&gt; 516

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (505)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 313

tcgaccacag cgtccgaaca tggcgcgagg agtgtccgcg gtggtggcgg tgcaagagag 60



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ctgaggggag cgcgagggcg cggagtcca ggtcgagcag ttaggccgcg agcgactgcg 120
gcgccgagcc gatgagtaac ccgaagcccc tagaggagtg gtcacctgcc tgagggaact 180
tctgtcccac cagcatcaga ccaggccgca ccgagtcgcc ggcaccatgt ttgggaagag 240
gaagaagcgg gtggagatct ccgcgccgtc caacttcgag caccgcgtgc acacgggctt 300
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gtcggctcgc cggcccaagc cctcgtcga ccccgctgc atcacctcca tccagcccg 420
ggcccccaag accatcgtgc ggggcagcaa argtgccaaa gatggggccc tcacgctgct 480
gctggacgag tttgagaaca tgttngtgac acgctt 516

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<210> 314

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1761)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1766)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1792)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1806)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1827)

<223> n equals a,t,g, or c

<400> 314

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cggccgcggg ctctgcgtca acgctagtgc cgtcagccgc ctgcgcgcct acctgctgcc 120
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ggagagcccc tccgtctcca gcacgcaccg ggtgtctgat cccaagtcc accccctcca 240
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gcagtgctgc  ccttccaaag  gcaggaagcg  gggcttctgc  tgggtgtgtg  ataagtatgg  540
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gagcaagtag  acgcctgccg  caagnttaat  gtggagctca  aatatgcctt  attttgcaca  660
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acatagcccc  aaatatagta  ngrtcntata  ctagrtwaty  cctgggtgga  angtttgga  1800
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&lt;210&gt; 315

&lt;211&gt; 1354

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 315

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ggtgagagcg  cgcgcttgcg  gacgcgsgg  cattaaacgg  ttgcaggcgt  agcagagtgg  60
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tgtttaaaga ataaagtcca aagtcagatc tggcttagtt aacctagaag tatttttgtc 1200
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agaattgttt ttgaatttaa ataaagttac ttgaatttca aaaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa
1354

```

&lt;210&gt; 316

&lt;211&gt; 2421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 316

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ggcacgagct cttctgggag tgggagaagg ttctgtctat cagtgtctcg agaaaggaaa 60
gaaacaagtt tgctctcagc ggatctttaa atggatgaga tggtaccac tcagatttcc 120
aaagatgagc ttgatgaact caaagaggcc ttgcaaaag ttgatctcaa cagcaacgga 180
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2421

&lt;210&gt; 317

&lt;211&gt; 1092

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 317

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&lt;210&gt; 318

&lt;211&gt; 1380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 318

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<210> 319

<211> 2612

<212> DNA

<213> Homo sapiens

<400> 319

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<210> 320

<211> 943

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 320

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<210> 321

<211> 2959

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2948)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
 <222> (2956)  
 <223> n equals a,t,g, or c

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&lt;210&gt; 322

&lt;211&gt; 802

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 322

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&lt;210&gt; 323

&lt;211&gt; 1724

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1590)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1650)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1701)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 323

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<210> 324

<211> 2261

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<400> 324

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cacagcagct gaagttcagc aggtgctgaa tcgattctcc tcggcccttc tcattccact 180
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gggcccgcctc tcaggagatg cctttatcca gatgaagtct gcggacagat catttatggc 420
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araarctgcc atttaccagc cctctgtgat ttgaaatcca cagacactgc agccctycac 660
agcgtactac ccagcaggca ctcagctctt catgaactac acagcgtact atccagtggt 720
ttgaaagatg tatggtgatc ttgaaacctc cagacacaag aaaacttcta gcaaatcag 780
gggaagtgtt tctacactca ggctgcagta ttttcagcaa acttgatttg acaaacgggc 840

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ctgtgcctta tcttttggtg gagtgaaaaa atttgagcta gtgaagccaa atcgtaactt 900
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&lt;210&gt; 325

&lt;211&gt; 1213

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1213)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 325

```

tggacgcgtg ggtcgaccca cgcgtccggt caaaaytaac cccctaataa aattaattaa 60
ccactcattc atcgacctcc ccaccccatc caacatctcc gcattgatga acttcggctc 120
actccttggc gcctgcctga tcttccaaat caccacagga ctattcctag ccatgcacta 180
ctcaccagac gcctcaaccg ccttttctac aatcgcccac atcactcgag acgtaaatta 240
tggctgaate atccgttacc ttacgcgcaa tggcgccctc atattcttta tctgcctctt 300
cctacacatc gggcgaggcc tatattacgg atcatttctc tactcagaaa cctgaaacat 360
cggcattatc ctctgcttg caactatagc aacagccttc ataggctatg tcttccctgt 420
aggccaaata tcatcttgag gggccacagt aattacaaac ttactatccg ccatcccata 480
cattgggaca gacctagttc aatgaatctg aggaggctac tcagttagaca gtcccacct 540
cacacgattc tttaaccttc acttcattct gcccttcatt attgcagccc tagcagcact 600
ccacctccta ttcttgacag aaacgggata aaacaacccc ctaggaatca cctcccattc 660
cgataaaatc acctccacc cttactacac aatcaaagac gccctcggtt tacttctctt 720
ccttctctcc ttaatgacat taacactatt ctaccagac ctctagggc acccagacaa 780
ttatacccta gccaacccct taaacacccc tccccacatc aagcccgaat gatatttctt 840
attcgcttac acaattctcc gatccgtccc taacaaacta ggaggcgctc ttgcccattt 900

```

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actatccatc ctcatcctag caataatccc catcctccat atatccaaac aacaaagcat 960
aataatctgc ccactaagcc aatcacttta ttgactccta gccgcagacc tctcattct 1020
aacctgaatc ggaggacaac cagtaagcta cccttttacc atcattggac aagtagcatc 1080
cgtactatac ttcacaacaa tctaatcct aataccaact atctccctaa tkgaaaacaa 1140
aatactcaaa tgggcctaaa aaaaaaaaaa aaaaacycgg gggggggcgg ggtwcccaat 1200
ttcccccccta ggn

```

1213

&lt;210&gt; 326

&lt;211&gt; 2764

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (372)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2128)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 326

```

gccggagcaa ggctgagctg ctccgcagca tcgccaagag gaaggagcgc ctggccatcc 60
tggacagtca ggctgggcag atccgggctc aggccgkca rgartcagaa cgctgggccc 120
gggacaagaa tgcctcctta cagctgctgc aaaaggagaa ggagaagctg actgtgctgg 180
aaaggagata ccactcactc acagggggca ggcctttccc gaagaccaca tcgaccctca 240
aagaggttta ccgtcccaag atggatggcg aggccaccag ccccttccc cggaccgcga 300
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gcagaaggga caacaagtga ttgaagagca gcggcggcga ctggctgagc tgaagcagaa 540
agcggcagtg aggcacagtg ccagtgggat gcccttcacg gggcagcacc ctcccagcg 600
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ttctgtaagg agcttggtcc tgtgagtttc tgggctctgg cctcctgaag aaccagccag 1620
aagaagaaaa gtagaggtgg ctttgcctgcc tcctgggagc ccagaacttg cagtaaccct 1680

```

```

ttaggtcctg ccccaggccc agccagggct gaggagctgt cacagagagg gcctcagctc 1740
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ccaggctggg ggttttcagt atttgaagc atttcagcag aacaataaag cctttggact 2700
acgraaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggag 2760
gggc

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<210> 327

<211> 1764

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1758)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1759)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1762)

<223> n equals a,t,g, or c

<400> 327

```

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acgaccccaa cgccctgtat tgcatttgcc gccagcctca caacaacagg tttatgattt 120
gctgtgaccg ctgtgaagaa tggtttcag gcgatttgtt gggcatttct gaggctcgag 180
ggaggctttt ggaaggaat ggggaagact atatctgcc aaactgcacc attctgcaag 240
tgcaggatga gactcattca gaaacggcag atcagcagga agctaaatgg agacctggag 300

```

```

atgctgatgg caccgattgt acaagtatag gaacaataga gcagaagtct agcgaagacc 360
aagggataaa gggtagaatt gagaaagctg caaatccaag tggcaagaag aaactcaaga 420
tcttccagcc tgtgatagag gcgcctgggt cctcaaaatg tattggcccc gggtgctgtc 480
acgtggcgca cccgactcgg tgtactgcag taatgactgt atcctcaaac acgcccgcgc 540
gacaatgaag tttctaagct caggtaaaga acagaagcca aagcctaaag aaaagatgaa 600
gatgaagcca gagaagccca gtcttccgaa atgcgggtgt caggcaggta ttaaaatctc 660
ttctgtgcac aagagaccag ctccagaaaa aaaagagacc acagtgaaga aggcagtggg 720
ggtcctctcg cggagtgaag cactcgggaa ggaagcagct tgtgagagca gcacgccgtc 780
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gtcactgttg tataaatgta tgtatcacct aggggttggc ctctctggacc cctcccgctc 900
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atttcaaatt aatgaaatga agatatttca aacagatctt tgaaacctca gattctgtgg 1680
tgcaatttta atgttttctt gtttctcagt tttctgctat aaaactattt tcaattcagt 1740
ctttaaaaaa aaaaaaannt cnaa

```

1764

&lt;210&gt; 328

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (535)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 328

```

gccaantac tttccagccc agtaaggggt atttcaggag agcagtcac tkaaggttct 60
ttccctttaa gatattgtga ggaatcaagt gcggcacctt ttcagctgag taaccacact 120
ggccgcacatc aggtgggtctt tactccgagc atctgtaaag tgacctgcac caagggcagc 180
tgtcagaaca gctgtgagaa ggggaacacc accactctca ttagtgagaa tggtcatgct 240
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ggcaaggcat tggggacgca tgtcatccat tcaacacata ccttgccctc gaccgtgact 480
agccagcagg agtcaaagtg aaatttcctc cttaacatag tcaatatcca tgtgnaacat 540

```

cctcctgaag cttccgtcca gatacatcag g

571

&lt;210&gt; 329

&lt;211&gt; 473

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (449)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (467)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 329

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agttccagac cacattattg ataagatgtg ttaaaataaa taagatcttt ctgtgaactt 120  
ttgggaacca aatgggtttt ggcatgattt cccagctcat tatatattga cacagaattt 180  
tttcagaatg gcatttacta gtaccccaaga aatttagcaa agtatagtta ggtacttatt 240  
gtaaaatata ttgcataatt gatttaaggt ttgttatgaa cacactaatc tgatatttta 300  
tatttaaac attttcaatk ctgtaagact cagtaagagc tatttaatta tactgwaaca 360  
aagaaaatct ataaataaat agcacaataa ggcacatgag ggtgtataat actgaagtgg 420  
tagtttttaa tttccgaaga gaataagcnt ttcaggccca ttagaancac aga 473

&lt;210&gt; 330

&lt;211&gt; 1335

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (865)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1004)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1156)

&lt;223&gt; n equals a,t,g, or c

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<220>
<221> misc feature
<222> (1301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1333)
<223> n equals a,t,g, or c

<400> 330
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aggatgagca agctgccag ggagctgacc cgagacttgg agcgcagctg cctgcgctgg 180
cctccctggg ctctcctactg tcccacagcc agagcctctc ctgcacctc cttccgcccgc 240
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acctgctctt catctccctg ctctggatca tcgaactgaa taccaacaca ggcattccgta 360
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tttgagaaga ataatgaata tggggacacc gtgtacacca ttgaagttec ctttcacggc 960
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cgtkgtcttc cccaanggac ttcgtgaatg tccggcgcat tgarcggcgc agggaccgat 1200
acttgttcat cagggatcgc caccctcaca cagtgccaaag cccccgacgc acaaatatgt 1260
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1335

<210> 331
<211> 1046
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (982)
<223> n equals a,t,g, or c

```

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (997)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 331

```

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attggccttg agacatggtt ttttgtggtt gcagctgcag ctgtccccc gtcttttaac 120
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acagctgctc aggtgtcccc aaactcctgg agttttccac ccttagctgt taaaaacctg 240
ccctgcctgt caccatttc tgtgccacca gcccaccccc tgctccact ctccctccctg 300
ccaccttctg tccctgccat aggaatatgg ggacaccgtg tacaccattg aagttccctt 360
tcacggcaag acgtttatcc tgaagacctt cctgccctgt cctgcggagc tcgtgtacca 420
ggaggtgac cctcagcccc agaggatggt gctgtggaac aagacagtga ctgcctgcca 480
gatcctgcag cgagtggaa acaacacctt catctcctat gacgtgtctg caggggctgc 540
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tgtccgggga gagaatggcc ctgggggctt catcgtgctc aagtcggcca gtaacccccg 720
tgtttgcacc tttgtctgga ttcttaatac agatctcaag ggcgcctgc cccggtacct 780
catccaccag agcctcgcgg ccaccatggt tgaatttgcc tttcacctgc gacascgcat 840
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tcgccaccac ttccagagcc agaaagggg ccagttgggc tcgcactgcc cacatgggac 960
ctggccccag gcwgtmamcc tncamcgag cagcantcc tgggagttga tgaytgaaca 1020
gstttgggtg gacattggat tcggggg                                     1046

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&lt;210&gt; 332

&lt;211&gt; 1311

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1280)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 332

```

ggcggcacca gcgcgcgcg cctgtgtgga gaagcagggg cwgctgctgc cgctgctgct 60
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agcagcccg aaattttatg aataagcatc agaagccagt gctaacaggc cagcggttca 180
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tccaggggct taatgaggct ggtgatgacc ttgaagctgt agccaaattt ctggactcta 300
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tcaataaact catcaggaga tataagtatt tggagaaggc atttgaagat gaaatgaaaa 540
agcttctcct cttccttaaa gcttttccg aaacagagca gacaaaagttg gcgatgctgt 600
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tggcagaaaa agatgccaac tctgttacct cgtctttgag aaaagccaac ttagacaaga 780
ggctgcttga actctttcca gttaacagac agagtgtgga tcattttgct aaatacttca 840
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ggaaggaact gcagaaggag ctccaggagc gtctttctca ggaatgcccg atcaaggagg 960
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gtcttctgtg gacatgtata atgaacgctg ttgagtgga caagaaggaa gaacttgttg 1080
cagagcaggc tctgaagcac ctgaagcaat atgctccct gctggccgtg ttcagctccc 1140
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atttcatgaa agcctttcag aagattgtgc ttctttatac catttcagta ttgcttcttc 1260
gctcagaaca tcagctttan tegtgcgat tggcacgag cggcacgagc c 1311

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<210> 333

<211> 1444

<212> DNA

<213> Homo sapiens

<400> 333

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ggcagagccc ggcctcttgg tactgctgac cccagccagg ctacagggat cgattggagc 60
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ccacaggccc ctccccagc ctcaattcac agctgccctg ttgcaggag cggttggccc 180
ttctgttgc agaccgagc tgtgggatat accaaggcag aggagcccat agccatgagg 240
agcctcgggg ccctgctctt gctgctgagc gcctgcctgg cggtgagcgc tggccctgtg 300
ccaacgcccg ccgacaacat ccaagtgcag gaaaacttca atatctctcg gatctatggg 360
aagtggta caactggccat cggttccacc tggccctggc tgaagaagat catggacagg 420
atgacagtga gcacgctgg gctgggagag ggcgctacag agcggagat cagcatgacc 480
agcactcggt ggcggaaagg tgtctgtgag gagacgtctg gagcttatga gaaaacagat 540
actgatggga agtttctcta tcacaaatcc aaatggaaca taacctgga gtcctatgtg 600
gtccacacca actatgatga gtatgccatt ttctgacca agaaattcag ccgccatcat 660
ggacccacca ttactgccaa gctctacggg cgggcgcccg agctgaggga aactctctctg 720
caggacttca gagtgggtgc ccagggtgtg ggcacccctg aggaactcat ctccaccatg 780
gctgaccgag gtgaatgtgt ccctggggag caggaaaccag agccatctt aatcccgaga 840
gtccggaggg ctgtgctacc ccaagaagag gaaggatcag ggggtgggca actggtaact 900
gaagtcacca agaaagaaga ttctgccag ctgggctact cggccggtcc ctgcatggga 960
atgaccagca ggtatttcta taatggta caatggcct gtgagacttt ccagtacggc 1020
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tggtgcatct atgtgtgcaa ggggaagtgc gtcctcttcc cctacggggg ctgccagggc 1200
aacgggaaca agttctactc agagaaggag tgcagagagt actgcggtgt ccctgggtgat 1260
ggtgatgagg agctgctgag ctctctcaac tgacaactgg ccggtctgca agtcagagga 1320
tgccagtggt ctgtcccggt gtcctgtggc aggcagcgc aagcaacctt ggtccaaata 1380
aaaactaaat tgtaaaactcc tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aagg 1444

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<210> 334

<211> 1030

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature  
 <222> (989)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1006)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1023)  
 <223> n equals a,t,g, or c

<400> 334  
 tagaattcgg agaagctgaa gcttagtggt ctaaacggtg gttgggaagg gggaaggang 60  
 acctcatgga cgtgcctggg ggtgtggctt ggcttccctt gattttggcc ggtggatgac 120  
 gctgtcctga ccacacccac tccttgctgc agcertgkag tcttccactt tcgccttggt 180  
 gcctgtcttc gccacctga gcaccccca gagccfcgtg ccagctgctg gtgcagcctc 240  
 tcctgttgcc atcagtggcc agcacctgtg ctacagceat gtcactcctg gcgacctggt 300  
 ggctgggagct ggacagggcc ctgctcccag ctagtgggct gggatggctc gtagactatg 360  
 ggaaactccc cccggccccct gccccctgg ctccctatga ggtcccttgg ggagccctgg 420  
 agggcgggct tccagtgggg ggagagcccc tggcaggtga tggcttctct gactggatga 480  
 ctgagcgagt tgatttcaca gctctctctc ctctggagcc tcccttacct cccggcacc 540  
 tcccccaacc ttcccaacc ccacctgacc tggaaagctat ggctccctc ctcaagaagg 600  
 agctggaaca gatggaagac ttcttcctag atgccccgct cctcccacca cctccccgc 660  
 cgccactacc accaccacca ctaccaccag cccctccct cccctgtcc ctccctcct 720  
 ttgacctccc ccagccccct gtcttgata ctctggactt gctggccatc tactgccga 780  
 acgaggccgg gcaggaggaa gtggggatgc cgctctgccc cccgccacag cagccccctc 840  
 ctctctctcc acctcaacct tctcgctgg gccccctacc cacatcctgc caccaccga 900  
 ggggaccgca agcaaaagaa gagagaccag aacaagtcgg cgytytgag gtaccgccag 960  
 cggaaggggg caggaggggt tgagggcynk gggaagggga agttgncagg gggttgggaa 1020  
 ggnaagggaa 1030

<210> 335  
 <211> 2127  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (72)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2098)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature

<222> (2114)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2117)  
 <223> n equals a,t,g, or c

<400> 335  
 ggatctgagg aaagggagg cttttctgat ctctcccaat tagaggatta ggcaattggc 60  
 agcgcagtgc gntaactctg ggcggggctg ggctccaggg ctggacagca cagtcctct 120  
 gaactgcaca gagacctcgc agcccccaga actgtcgccc tccacgatg tggctccgtg 180  
 cctttatcct ggccactctc tctgcttccg cggcttgggc agggcatccg tcctcgccac 240  
 ctgtggtgga caccgtgcat ggcaaatgc tggggaagt cgtcagctta gaaggatttg 300  
 cacagcctgt ggccattttc ctgggaatcc cttttgccaa gccgcctctt ggaccctga 360  
 ggtttactcc accgcagcct gcagaacccat ggagctttgt gaagaatgcc acctcgtacc 420  
 ctccatgtg cacccaagat cccaaggcgg ggcagttact ctacagacta ttacaaaacc 480  
 gaaaggagaa cattcctctc aagctttctg aagactgtct ttacctcaat atttacctc 540  
 ctgctgactt gaccaagaaa aacaggctgc cggatgatgg gtggatccac gagggggggc 600  
 tgatggtggg tgcggcatca acctatgat ggctggccct tgcctgccat gaaaacgtgg 660  
 tgggtgtgac cattcaatat cgcctgggca tctggggatt ctacagcaca ggggatgaac 720  
 acagccgggg gaactgggg caccctggacc agtggtgtgc cctgcctgtg gtccaggaca 780  
 acattgccag ctttggagg aaccaggct ctgtgacct ctttggagag tcagcgggag 840  
 gagaaagtgt ctctgttctt gttttgtctc cattggccaa gaacctcttc caccgggcca 900  
 tttctgagag tggcgtggcc ctacacttctg ttctggtgaa gaaaggtgat gtcaagccct 960  
 tggctgagca aattgctatc actgctgggt gcaaaaaccac cactctgtct gtcattggtc 1020  
 actgcttgcg acagaagacg gaagaggagc tcttggagac gacattgaaa atgaaattct 1080  
 tatctctgga ctacagggg gaccccagag agagtcaacc ccttctgggc actgtgattg 1140  
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 tgagctatcc actctccgaa gggcaactgc accagaagac agccatgtca ctctgtgga 1320  
 agtccatcc ccttgtttgc attgctaagg aactgattcc agaagccact gaaaaatact 1380  
 tagagggaac agacgacact gtcaaaaaga aagacctgtt cctggacttg atagcagatg 1440  
 tgatgtttgg tgtcccatct gtgattgtgg cccggaacca cagagatgct ggagcaccac 1500  
 cctacatgta tgagtttcag taccgtccaa gcttctcctc agacatgaaa cccaagacgg 1560  
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 acatagagct gtgaatgaag atccagccgg ccttgggagc ctggaggagc aaagactggg 1920  
 gtcttttgcg aaagggattg caggttcaga aggcattcta ccatggctgg ggaattgtct 1980  
 ggtggtgggg ggcaggggac agaggccatg aaggagcaag ttttgtattt gtgacctcag 2040  
 ctttgggaat aaaggatctt ttgaaggcca aaaaaaaaaa aaaagggcgc ctttttangg 2100  
 gtcccaatt tacnaanggg tgcttgg 2127

<210> 336  
 <211> 847  
 <212> DNA  
 <213> Homo sapiens

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (829)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (847)  
<223> n equals a,t,g, or c

<400> 336  
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tcccactccc ttctctcagc ccaagctctg actttcgtg ctccacgatc ccgcggctcc 180  
ccctccgcac gtctttccct tgtgcacctc cccagtcattg acccgggcgt gaccttcag 240  
gaccgcggcc cgtatcgga tccctgcccc gcgaacactg cgcgtttcgg ntctcgcgcg 300  
ctcgggtccc gtccccagag gtagcccgcc cggntccaac ttcgggcaaa attttcatgt 360  
ccccctgcgg accgcgtgaa cgtgacggta cggccgggcc tggccatggc gctgagcggg 420  
tccaccgagc cctgcgcgca gctgtccatc tctccatcg gcgtagtggg caccgcgag 480  
gacaaccgca gccacagcgc ccacttcttt gagtttctca ccaaggagct agccctgggc 540  
caggaccgga tacttatccg ctttttcccc ttggagtcct ggcagattgg caagataggg 600  
acggtcatga cttttttatg attgggcacg gagggatcca gggcatctgt gaactggctg 660  
cttcttcag agagatctct tggcagagtg agggcctgga gataaccagc tttggattat 720  
ccgcgatgca acattcctgt gatcacataa tcctcttctt catcctcata tgaaataaat 780  
gaagagagct tcctcattca aaaaaaaaaa aaaaaaaccc cgggggggnc cggtaaccca 840  
ttggccn 847

<210> 337  
<211> 702  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (679)
<223> n equals a,t,g, or c

<400> 337
ttttccgccc cgctgtatcc natgggtccc tgtgccttcc ggctagaact gctcacagtc 60
ccgcctcttc cgctgcgtgc cggaccatgg cgcaggggca gcgcaagttt caggcgcaca 120
aacccgc aaa gagtaagacg gcagcggcan cctctgaaaa gaatcggggc ccaagaaaaag 180
gcggtcgtgt tatcgtctcc argaaggcgc gcgtcgtgca gcagcaaaaag ctcaagaaga 240
acctagaagt cggaatccgg aagaagatcg aacatgacgt ggtgatgaaa gccagcagca 300
gcctgccc aaagctggca ctgctgaagg cccagccaa gaagaaaagg gcagctgccg 360
ccacctctc caagacacct tcctgaggac gctggcccca gtgcaggcca acatcccacc 420
ccctacctcc atatgggacc ttgcaagtca tcccacaggc tgcactgtca ggaagaggac 480
cctgtccccc agcactgggc ttcacctaga acttcagtgg gggccaaggg tgctgagaac 540
ccagcaatga ccaggaagat acagtcacta acttcactcg tccccgtgc ccttcccagg 600
tcctgcctcc acaggttttaa cccagaacaa taaacctggc tttgtcaama aaaaaaaaaa 660
agggccggnc gttttagang atccagctta cgtaccgtgc tt 702

<210> 338
<211> 875
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (813)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (830)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (861)
<223> n equals a,t,g, or c

<400> 338

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aaatggcaaa aaagaaaata tccttgagtt tgtaatctag ttacagaagt aaggcataca 120  
cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgcgt gtctctgtgt 180  
gtgcacgtgc acgctcatgg ccaaagtgtc gcactctaca taaaggaggc aggagtccct 240  
ataggctatt taatgtaaga gaaactattt ttctccgtgt ccagctgtat cagatactcg 300  
ttccgcaaca cagaatgac tcagaatctc agacaaaatg tattatttgt tcaattttaa 360  
ttttgctact acattcataa ctcttaaatt gttaggctgt ttcatattaca tcaaagttat 420  
ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacactgtgt 480  
tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgtga gttagttact 540  
tatattttta ttagaactca ttattctggg taccctccaa tgagaattag agagggttaa 600  
taccttttcc tagattccca cagcagggaag gtgggcatag ctgttttgtc tgacaccaga 660  
acccatctca ccacactgct ttacagtctt cctgaaggga cattttgagg tggggggggg 720  
ccttcaaagc tcagaggact gggtttkgaa tgggtttaat ttttgcaagg gatccatgtc 780  
catgccaggg ngtttacaat tctttaactt ccntcccaa ttcgtgtgtg ccattaggga 840  
catttgggtt acatccgggc nggggagggg caggg 875

<210> 339

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1427)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1440)

<223> n equals a,t,g, or c

<400> 339

cagcgccact agcctcattg tgcccaggag ttctccaaac ccgcgctgcg gagtgagtga 60  
ccaagtcccg gccagttcga cctcgaggat ccagaggtag agacggtact acctcccagc 120  
tctgttttcc atccccttca ggtccctcct cgggaggcgg cgaaggcggg ccaccctgcg 180  
cgtgatcctt yatgcccggc ccctgccccct ccctccgggt ggaacttccc cctcaccgcc 240  
agacttaagc tgaggatcgt tggatctctg gcggggtgca gaactgagcc caggccacag 300  
taccctattc acgctctgtg cttgtgccaa gggggcaatg gcggcttccct gtgtttctact 360  
gcacactggg cagaagatgc ctctgattgg tctgggtacc tggaagagtg agcctggtca 420  
ggtaaaagca gctgttaagt atgcccttag cgtaggctac cgccacattg attgtgctgc 480  
tatctacggc aatgagcctg agattgggga ggccctgaag gaggacgttg gaccaggcaa 540  
ggcgggtgcct cgggaggagc tgtttgtgac atccaagctg tggaacacca gaccacccc 600  
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tgctgatggg actatatgct acgactccac ccactacaag gagacttgga aggcctctgga 780  
ggcactgggt gctaaggggc tgggtgcaggc gctgggcctg tccaacttca acagtcggca 840

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gattgatgac atactcagtg tggcctccgt gcgtccagct gtcttgccagg tggaaatgcc 900
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tgcttatagc cctttgggct cctctgatcg tgcattggcg gatcctgatg agcctgtcct 1020
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gctaaatgcc ctgaacaaaa attggagata tattgtgcct atgcttacgg tggatgggaa 1260
gagagtccca agggatgcag ggcacccctc gtaccccttt aatgaccctg actgagacca 1320
cagcttcttg gcctcccttc cagctctgca gctaattgagg tcctgccaca acgaaaagag 1380
ggagttaata aagccattgg agcatccaaa aaaaaaaaaa aaaaaanayc tngsggccgn 1440
caagggaa 1448

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<210> 340

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (822)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (829)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (838)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<400> 340

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aattcggcac gagctggcct gagaagccaa ctcagactca gccaacagag attgttgatt 60
tgctctctaa gcaagagatt cattgcagct cagcatggct cagaccagct catacttcat 120
gctgatctcc tgcctgatgt ttctgtctca gagccaaggc caagaggccc agacagagtt 180
gccccaggcc cggatcagct gcccagaagg caccaatgcc tatcgctcct actgctacta 240
ctttaatgaa gaccgtgaga cctgggttga tgcagatctc tattgccaga acatgaattc 300
gggcaacctg gtgtctgtgc tcacccaggc cgagggtgcc tttgtggcct cactgattaa 360
ggagagtggc actgatgact tcaatgtctg gattggcctc catgacccca aaaagaaccg 420
ccgctggcac tggagcagtg ggtccctggg ctcctacaag tcctggggca ttggagcccc 480

```

```

aagcagtggt aatcctggct actgtgtgag cctgacctca agcacaggat tccagaaatg 540
gaaggatgtg ccttgtgaag acaagttctc ctttgtctgc aagttcaaaa actagaggca 600
gctggaaaaa acatgtctag aactgatcca gcaattacaa cggagtcaaa aattaaaccg 660
gaccatctct ccaactcaac tcaacctgga cactctcttc tctgctgagt ttgccttggt 720
aatcttcaat agttttacct accccagtct ttggaaccyt aaataataaa aataaacatg 780
tttccactaa aaaaaaaaaa aaaaaaaamt cncagggggg gncgggtanc caattcgncc 840
naa 843

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<210> 341

<211> 1293

<212> DNA

<213> Homo sapiens

<400> 341

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tagttatata agattggaac taccaagcat gtggctcctg gtcagtgtaa ttctaattctc 120
acggatatcc tctgttgagg gagaagcaac attttgtgat ttccaaaaa taaaccatgg 180
aattctatat gatgaagaaa aatataagcc attttcccag gtccctacag gggaagtttt 240
ctattactcc tgtgaatata attttgtgtc tccttcaaaa tcatttttga ctgcataac 300
atgcacagaa gaaggatggg caccaacacc aaagtgtctc agactgtggt tctttccttt 360
tgtggaaaaa ggtcattctg aatcttcagg acaaacacat ctggaagggt atactgtgca 420
aattatttgc aacacaggat acagacttca aaacaatgag aacaacattt catgtgtaga 480
acggggctgg tccaccctc ccaaatgcag gtccactgac acttcctgtg tgaatccgcc 540
cacagtacaa aatgctyata tastgtcgag acagatgagt aaatatccat ctgggtgagag 600
agtacgttat saatgtagga gcccttatga aatgtttggg gatgaagaag tgatgtgttt 660
aaatggaaac tggacrgaac cacctcaatg caaagattct acrggaaaaa gtgggcccc 720
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<210> 342

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c



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<220>
<221> misc feature
<222> (1247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1262)
<223> n equals a,t,g, or c

<400> 342
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1273

<210> 343
<211> 1793
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1267)
<223> n equals a,t,g, or c

<400> 343

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gactacacgc atgatgggtg ggtgaatttg aaccggcaag gcttcagcta ccagtgtccc 180
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1793
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<210> 344

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1667)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1668)

<223> n equals a,t,g, or c

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<210> 345  
<211> 2109  
<212> DNA  
<213> Homo sapiens

<400> 345  
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caagacaccc cagaggatct tcagcagtc tacttcccat tctctataga gctttgaagc 180  
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aaaatacatg cttctcttgt atactcagaa gtgactaagg gcaataactc attaatagcc 660  
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agtcctctct                                     2109

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&lt;210&gt; 346

&lt;211&gt; 1714

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 346

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1714

&lt;210&gt; 347

&lt;211&gt; 1672

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1667)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 347

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1672

<210> 348  
<211> 1483  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<400> 348  
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<210> 349  
<211> 1842  
<212> DNA  
<213> Homo sapiens

<400> 349  
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<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

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<222> (1307)

<223> n equals a,t,g, or c

<400> 350

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<211> 2756  
<212> DNA  
<213> Homo sapiens  
  
<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2540)  
<223> n equals a,t,g, or c

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<211> 1645

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

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<223> n equals a,t,g, or c

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<222> (1596)

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<210> 353

<211> 1637

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (738)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (771)

<223> n equals a,t,g, or c

<400> 353

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<211> 1119
<212> DNA
<213> Homo sapiens

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<211> 738
<212> DNA
<213> Homo sapiens

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<222> (654)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (689)
<223> n equals a,t,g, or c

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gcctccgtcc ggccctgct gtttgamatc tccttctca tgctgtgcca tgtggcccag 180

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gcccacgtcc ggatgctggg gctggatgag cgtgagaagt cgctgcagat gatccgccag 600
ctggcagggc cactgtttag ygagaacacc ctgcagttct acaatgagag ggtngtgatc 660
atgaactcga tcctgggagc gcatgtgtnc cgacgtgctg cagcagacag ccacgcagga 720
ttcaagtttc cctccaac

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738

&lt;210&gt; 356

&lt;211&gt; 1966

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (788)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1753)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 356

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caaccagcca gctcccgtc gaattctgatg ctgtggaatg cttaaattac caaactata 600
aaggaaagtga ctttgactgc gagttaggc tgttgattca tcagagtcta gcaggaggaa 660
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acctcatggc ctatgacaga agagggagac ctggagaccg ttacgacggc atggttggtt 1200
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aatcttgccct ggnaggaagc cttgaaccaa gcaaacttct gcatttctct ggtgaaaact 1800
gctgccaaaa ccacttgtaa aaaattgtac agagcctgta ggaaaatata gaaggttcca 1860
ttgggatggtt ggcctagttc tgtgtgggaa gacttagtgg attttgtttg tttttagata 1920
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```

<210> 357

<211> 1562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 357

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atggaccaat actggggaat tggcagtcgt gccagtgagg taaatttggt cacaacagt 120
tttgagggcc cagttcttga tcacaggtat tatgcagggt gatgctcccc gcattacatc 180
ctgaacacga ggtttaggaa gccctacaat gtggaagct acacgccaca gaccacaggc 240
aaatacgaat tcatattaan anagtatgaa tcatactcag attttgaacg caatgtcaca 300
gagaaaaatg caagcaagtc tggtttcagt ttggttttga aaatacctgg aatatttgaa 360
cttggcataca gtagtcaaag tgatcgaggc aaacactata ttaggagaac caaacgattc 420
tctcactata aaagcgtatt tctgcatgca cgctctgacc ttgaagtagc acattacaag 480
ctgaaaccca gaagcctcat gctccattac gagttccttc agagagttaa gcggtgccc 540
ctggagtaca gctacgggga atacagagat ctcttcctgt attttgggac ccactacatc 600

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acagaggctg tgcttggggg catttatgaa tacaccctcg ttatgaacaa agaggccatg 660  
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 ggtggtgcca ttgaagaggt ctacgtcagt ctgggtgtgt ctgtaggcaa atgcagaggt 780  
 attctgaatg aaataaaaga cagaacaag agggacacca tgggtggagg cttggtggtc 840  
 ctggtacgag gaggggcaag tgagcacatc accaccctgg cataccaggga gctgccgacg 900  
 gcggacctga tgcaggagtg ggggacgct gtgcagtaca acccagccat catcaaagtt 960  
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 gctccctgco aaggaaatgg agtccctgtc ctgaaaggat cagctgtgta ctgcatctgt 1140  
 cctgttggat cccaaggcct agcctgtgag gtctcctatc ggaagaatac ccccatgtat 1200  
 gggaaagtga attgctggtc aaattggtct tcatgtcttg gaagacgtaa gacaagacaa 1260  
 aggcagtgt acaatccacc tcctcaaaat gggggtagcc cctgttcagg cctgtcttca 1320  
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 gagccctcaa gaactcaygc cagctcagcc ctacaccagt ttccacctgg agttcatgca 1440  
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 agttgattta aataaatact gagttaaagg ctttaaaaaa aaaaaaaaaa aaaggggggg 1560  
 cg 1562

&lt;210&gt; 358

&lt;211&gt; 1931

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 358

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 ctgcaccca gctcggagcc cggagcgtgc ctcgcgccg tgtcgggttt caccatggag 180  
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 gttgaagagg ttcatccaag attccagagt ctgaatgctg atatcaacaa acgtggagcg 420  
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 gaggttcttg ttctgactca gaaacatat ggtgtgacc tggccagtgt ggattttcag 540  
 catgcctctg aagatgcaag gaagaccata aaccagtggt tcaaaaggaca gacagaagga 600  
 aaaattccgg aactgttgcc ttcgggcatg gttgataaca tgaccaaaat tgtgctagta 660  
 aatgccatct atttcaaggg aaactggaag gataaattca tgaaagaagc cagcagcaat 720  
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 caatatgtct tatatcttta ccaataaaaac cactgtccag aaacaagttc ttcattttct 1440  
 ttgtaagttt ggctctgttg gctgtttaca cccatgaatt ttggcatggg tatctatttt 1500  
 ycttttttac attgaaaaaa atccagtggt tgcttttgaa tgcatcaagt aaagaagaag 1560  
 aaaagaatac atccgatgag tagattcttg accatgtagt aatctataaa attgctatat 1620

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cctcctgata gccatgggaa aacatgataa gatggtcatt tattttgcag ttagaatttt 1680
ggaagccaca aaatagacag acaccctgac tgttgaaggg aggtttaaaa acagatattc 1740
aattgaaatg taagagagca ccccaattga gagcccaggt tacgaagaca agcttgccctc 1800
gcctgacttt tctgtccctt gttctgcagg attagtattc tgttacagac ctctagtttt 1860
tagactcttc aattaaaggg ccaatggtta taacctgcaa aaaaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa a                                     1931
```

<210> 359

<211> 869

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (869)

<223> n equals a,t,g, or c

<400> 359

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ccaaagtgga tgcactgaag aagatgttgt tggatcaggg gggctttgcc ccgtgttttc 180
taggctgctt tctcccactg gtaggggcac ttaatggact gtcagcccag gacaactggc 240
caaaactacag cgggattatc ctgatgccct tatcaccacac tactatctat ggctgtgtgt 300
gcaktttagcc aacttctacc tggccccct tcattacagg ttggccgttg tccaatgtgt 360
tgctgttatc tggaactcct acctgtcctg gaaggcacat cggctctaag cctgcctcac 420
tccatcgttt ccaccttgca gtgatgcagc ttgacctgg aacggtcaga caacctcctc 480
aaagtgggca taccagtttc cacggggttg ggttgccggt cagagcttaa gaggactagc 540
accttgcaat gcccctcttc actctaaaat gtacactgac tgcttttagag cccttgataa 600
tagtcttatt cccaccacat actaggcact ccataaatat ctgttgaacc ttcattgacct 660
tatcaacttt acaccacat cccagcaaat gccactcat cccactcttc atagacacat 720
ttgttactct aaccctgcct aggccttctt tagctccagc tcttttagaga ctcccggaac 780
ccttttatatg gtgcctcagt aaatatgtta ttaatatgt aatccggaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                     869
```

<210> 360

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (521)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature



&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 360

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ggcacgagag actccagccg ccaggggagc gcgtgccgtt cttgcctctc tggcctgcgc 60
ctcctgagcc gactagatat cccggagttc cgcgcggcgc cagcccttcc gccacggccg 120
tctctggaga gcagcagcca tggccctacg ctaccctatg gccgtgggccc tcaacaaggg 180
ccacaaagtg accaagaacg tgagcaagcc caggcacagc cgacgcccgc ggcgtctgac 240
caaacacacc aagttcgtgc gggacatgat tcgggaggtg tgtggctttg ccccgctacga 300
gcggcgccgc atggagttac tgaaggtctc caaggacaaa cggggccctca aatttatcaa 360
gaaaagggtg gggacgcaca tccgcgccaa gaggaagcgg gaggagctga gcaacgtact 420
ggccgccatg aggaaagctg ctgccaaagaa agactgagcc cctcccctgc cctctccctg 480
aaataaagaa cagcttgaca gaaaaaaaaa aaaaaaaaaa ntcgnggggg ggcccgggtac 540
ccattcgccc tawaggggggn g
```

561

&lt;210&gt; 361

&lt;211&gt; 1680

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 361

```
gagtttacac tgaccatggt ggaatgttaa ggngaacccc accccttctt acagatgggtg 60
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cgctgtttgc attaaaaggg tgggtgagtc aggacccctg gctcargagc cgyctctcct 180
aaaagagggt ttcaaggcca aatgggtttg tcaacggtgc tgtctccctt tcttggagat 240
gctcattagc ttatcaaaga ctgagaagtc ccgctgttac agaaataatt tagtttgctg 300
tattaaactgc tcctgggcct ggagcagtat tcccacctta agattcccag catccctgtg 360
ctgtcccggc tctcattcat gccgaaggcc caaccattg gctgtgttct gtttgaagat 420
ttggggggcg ctttctcttt cttcccagg gaattctcta gcagagggag gggacccacc 480
ccagtgaaga agtagattgc tgctcttagc cagagacctg aactggggaa tttgaacatt 540
cctttacatt gttggagaaa tgaagccaaa gttattcaga tggttttccc aggctaaagg 600
aaagtcacct gcaagagatc ccggcactga tctggagcag ctgacagggt gggctctccc 660
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gggtggccac ccgacctgcc ccagaaactt ttggatactg gaggcagttg cataggtctc 1440
cctctctggg caccaggact cagtccagcc caagactact ctgggcagct cccatccag 1500
```

tctggggcca ttgcagact caggaaagga tttctacagt gttctataaa agccaaaaga 1560  
gagagtgggt ttgggaagag tgagggtggg tggggagagg ggaccgatgt gcctcattgt 1620  
ttagtggtga ttacaaatat gcttttctgg ataaagtttg gttgtttgct ctggaaaaa 1680

<210> 362

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (709)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (718)

<223> n equals a,t,g, or c

<400> 362

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ctggcctgga agtttccctt ccagtcctgga ttttgtctgc tccttccttc cccctcacc 120  
cgttacctct tcacctccca tctcatthca ctgtgtagct cagtctctcc caccgacata 180  
attggggaca gtgggggctc tcttaccagc ctctcagca acgcacgtcc atcaggcctg 240  
gcctcagtggt ccagccacat tgatgtcaca ctggaattgt taccacagag agggcgaaga 300  
gataggctat ctccccacct cccaccctac tccccactat attcccgttt tgaccacctc 360  
agcccctcag ctgccccctc tcactttggc caatcccagg caccaatcag acttcctcct 420  
ccacctggag cccctagcat ttccttgctc cctcttcccc aaaacctctg taaagggtac 480  
gagaggggacc ccctgccgag cgcgccgcca ctgagggcag tccgatctaa gaagcagaag 540  
ctggttgagg gctggctggg cctctgtcca gtcccagat gggataaact ngccttttct 600  
camatcccct ctgggtggcc tkgatctttc tytgcccccg gggccaggac ccactgtgct 660  
gttttcttgt tcagttttgt ggggaaagga accaaggttt ttgccaagna accagtttct 720  
tgaaaggggg tagggaaggg 740

<210> 363

<211> 1324

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<400> 363

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 tgcgcgctga gccctaccct gcggcgggcg gacgcttcgg cgaggggggc ggcgcggcgg 180  
 gcgcggtgct gggcatcgac aacgtgtgag agctggcggc gcggctgctc ttcagcaccg 240  
 tggagtgggc gcgccacgag cccttcttcc ccgagctgcc ggtggccgac cagggtggcg 300  
 tgctgcgcct gagctggagc gagctcttcg tgetgaacgc ggcgagggcg gcgctgcccc 360  
 tgcacacggc gccgctactg gccgncgccc gcctccacgc cgccgctatg gccgcccagc 420  
 gcgcggtggc ttcatatggc cagggtgcgcg ccttccaggc gcaggtggac aagctgggccc 480  
 gcctgcaggt cgactcggcc gagtatggct gcctcaaggc catcgcgctc ttcacgcccg 540  
 acgcctgtgg cctctcagac ccggcccacg ttgagagcct gcaggagaag gcgcaggtgg 600  
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 tgctgcggct ccccgccctg gcgcggttcc ctgcctccct catctcccag ctgttcttca 720  
 tgcgcctggt ggggaagacg cccattgaga cactgatcag agacatgctg ctgtcgggga 780  
 gtaccttcaa ctggccctac ggctcggggc agtgaccatg acggggccac gtgtgctgtg 840  
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 cctcatcttc ccaggagccc ctgtccaggc tggagggtcc aatcctagga cagccttgtt 1080  
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 tagt 1324

&lt;210&gt; 364

&lt;211&gt; 2853

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 364

cacctcgtct atggtgtatt ttgaaagac aattttttta aggtagattt gggaaaaaaaa 60  
 tagaattgaa gatgggaaat ttgtttttat taaaaagggtg ctagaagatg tttcaaaagac 120  
 aatattctta ttttaatacg ctgtagaagg taggtgtgga acctccatgc taccatgtgc 180  
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<211> 1837

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<222> (2)

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<222> (3)

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<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

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<210> 366

<211> 1823

<212> DNA

<213> Homo sapiens

<400> 366

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<210> 367

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

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<211> 1117
<212> DNA
<213> Homo sapiens

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<210> 369

<211> 2226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 369

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&lt;210&gt; 370

&lt;211&gt; 3636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1937)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 370

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agttaaatat tggctctctc aagttttttt tttcttttgc tttgttacc cttgtcactg 2700
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agagctttgc taaactaacc taattgttc aaatcacccc aaaaccacca tctctgacgt 3000
aagcttccat gcgacagcct gatccgtttc cctggacag tctctttcct ggaatgcagc 3060
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ttggcgctga ctgcgggcat ctgactggtc ttccagctca ggaaaaagaa tttgaaagag 3480
gcttagcggtg aaggggaaat aaagaggagg ttgtgatttg gtcgaagggt cctgggttag 3540
tgctgtaatt gtcttattat ttttttata tatatatttc ttggagtaaa cattttaaat 3600
aaacaacatt gtctactgtc aaaaaaaaa aaaaaa 3636

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&lt;210&gt; 371

&lt;211&gt; 4039

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1085)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 371

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aattcggaac gaggtgaa cacaaggatt aagttgaaa agctgtaaat tgcattgtca 60
tatttgtcta tttttctat aagttttatt gcaagaggta aagaagaaaa ctatatatat 120
atatcttatt tagataatct cagtaccttt tctggcattt ttgccctgta taggttgact 180
tggaattcgc gccttttttag aggcattaac tactcctcgt aagtgttgca ttacatggc 240
tgtttagaaa actgctgccc aaattttttt tatatttttg tacagattct gcagtttatg 300
atattgtttt ctaaaaacaa atgctgttta tacatatgag atagctattt tgataggatt 360
tgctcacata gttcctgcaa acttcagatg tacaagttgc acttgactt ttatagatt 420

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gtaatgtttt atatgtgtat ggtgcaagag aaaattggat caaatcaayc tgcagttgat 480
gtccccaat gcaaacacag gcacacacat gcacacaccc ataaacacac acacagtgca 540
tttaaraaag ggccagggtga tatcacaccc aaatttcaca agcactgacc ccctggcacc 600
aacaccgcc agtactgtga cttccaaagc cagagccaca tgtgctcatc aaacttgcat 660
taagcagttg gcgggagatg gctgtggagc tgggggttta agtgaagggt ctcttttgct 720
ccctcttytg agggtaaagc tactgtcttt ctttaagagtg tatttatgcc aagtttgccg 780
ttttaattgt ttttattttg twttttaatg aaaaccaga tctttccttt ttggcataat 840
ttttatgatg acctgaaatt ttacatccga acaaaatttt acatccgaaa agcaaccaac 900
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ctgtgttgct aagagctgra aatggcatct tcgtgatcac cacagtggagc ttggctcgcc 1080
tcgngcggcc cggggatgca ctcttacaac atgtgtgact cttgaacctg gagtcatca 1140
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cagtatgcct gtttaattta agagcttccc ttcttgcag agaacaagtc tgcccagatt 2040
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cgtacacata tacaatagta ttgatgattc tgaacaataa cagggttaaaa cagttggttt 2160
gccattgtta aaactgatt tacagtaact tacaacaact gtactttttg tggattagca 2220
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cctgatactc aaagtctaac aagaaagaca tggaaaatta gcagcccatt ttcagaaaga 2460
tcaaaatgat ctagggttct aattgctttt gcatcctatt cttacaaagt gatgtcccaa 2520
cagggaacag taggagctgg agtgggatct ccaagtccca gtttgagtgt gggatgtgct 2580
tcagcagtg ctttcccttt atgaaagaca tcacatggca tccagggcca ggcaggcagc 2640
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gcacagtcg cattcatttt tactcttctc taatatgggt ctatttgaaa tatgcaaaag 3000
gtaggaggaa tgttttaata cctccaaatt ttttaagaaa gcatcaaagg gttgatattt 3060
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tcaaggaaaa ttcttaatg aaataagctc caaagagcca aagtatcaac ttacagatcg 3300
tttttaagc tttaaattat gaaccacctt tgggttaaac aatgaattat gaataccgca 3360
gggcagcctt cttaaatgac aaatgtaaaa aaaaaaaa aaaaactcta cttcgtgcag 3420
caattgctac tctatacga ttgtcttaatt ttgaaaacct tgctgttaca aattggacct 3480

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ttatacat ttt tctgaaaaca atgaaaagag tatatttaac cttttctggc tgtaaatggt 3540
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caattgtttt cagtgtttct aagaatgagt ctgaatggtt cttgaaaatt agccaggatc 3660
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tgtacatgga aatgagcagt cttacttttg tagttttata tttatacaata aacagttaaa 4020
agatgaaaaa aaaaaaaaaa

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&lt;210&gt; 372

&lt;211&gt; 1599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 372

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ccatccagct ggggatgcag agcacctgat gcacctggaa caggtgctct gcatccccag 60
ctggatggca aaattctttt cttggacact tgaaccatc ttctcttctt cagaacccac 120
cagcgaaacag aattgggatg ggagccacgc tggacatcca gagacagcag agaattggagc 180
tgctggaccg gcagctgatg ttctctcagt ttgcacaagg gaggcagcag agacagcagc 240
agggaggaaat gatcaattgg aatcgtcttt ttctctcttt acgtcagcga caaaacgtaa 300
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aggtcgcccc gctcatggag atgggatttt ccagaggtga tgctttggaa gccctgagag 420
cttcaaaaca tgacctcaat gtcgccacca acttcctgct gcagcactga tagtcccagg 480
ccaacactgg gaccggaccg gcagccgagt gacagtgcgt ggtccccacc atcagatcag 540
cccggggacc gagcatctct ggtgctgatg ttcttggtgg aagagggagg ttccaccgca 600
cccctgccct caaccgcaag actgttgccg ttttagtggt gagataagtt tgccattaca 660
ttagcatgta ttttctatct atatttttta ttgggcattt tccctagggt ggagagttag 720
cactcgtttt gaatgtgttt aaaatgcatt aaaatggaag atttctgcag gcagttgaat 780
ggcactccag atggggaatt gctgtaaccc tcttactgta acatgtcatc tcttgcgtcg 840
tgatggggag agggtaaatgt tacttcacaa aggacatgtc agatccttct toatggactt 900
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cagggagctg aatcctcccc caagctgttc caggccagag gactctgcag taccttctcc 1020
tacatctagt acaaaagaat ggtgataacc atgcactggg tcaaggttct ggagttctcc 1080
atgaaacttg ggttaatttt gctcagagta tccagagtta gccactagge tgcgggtgaa 1140
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tgtgctggc ctggcatggg ctacagccag gaagaggaga aacgatccct tgctgcccc 1260
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agaccggaag caagtgtgact cttgcaatgt gcaactgtta tgttctgcaa aatgagcaac 1500
gatgtatcaa attgatgcaa atttagatgt tgatacttac aataaagttt ttaatgtgtt 1560
ttaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggcgccc 1599

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&lt;210&gt; 373

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 373

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ctcaaaaatc accagaaaac tcatactagt gaaaaatcct ataaatgtaa tgaatgtaga 60
aaggcccttta gttactgctc tggctcttatt caatgtcagg tcattcatac tatagaaaaa 120
ccttatgaat acggtaaatg tggcaaaagcc ttttaggcaga ggacagacct taaaaaacat 180
cagaaaatgc ataccgarga gaaaccctat gaatgtaatg aatgtgggaa agccttttagc 240
cagagcacat atcttacaaa acaccaaaaa attcatagtg aagagaaaac aaatatacat 300
actgagtggtg gggaaaccwt twgrcaaaaac tcttcttttt tacaacaata aaaacctcac 360
actggagaga ttctctgaat gccttaagaa tttgggtaat atggagaccc ttcccagggg 420
aaccagaagg aggatcgtga aaacctgttg actacttaga tgat 464

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&lt;210&gt; 374

&lt;211&gt; 890

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (886)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 374

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ggctgctgga ggcgagggct tcggaagtct tcatgctagt ctctgggggt tccgcgggtgt 60
cgctcgctggc tgtgcgcgtc atttccgggc gtcacgtaac ggagtggcca acggcctgca 120
gagcaacatg cccaagtttt attgtgacta ctgcgataca tacctcaccc atgactctcc 180
atctgtgaga aagacacact gcagtggaa gaaacacaaa gagaatgtga aagactatta 240
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acaaggaaaag atacctccta ctccattctc tgctcctcct cctgcagggg cgatgatacc 360
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caggagatca tgctgctgtg atactgagtt ttctaaacag cataaggaa agcttgctccc 720
ctgtcctatg aaagagaata gttttggagg ggagaagtgg gacaaaaaag atgcagtttt 780
cctttgtatt gggaaatgtg aaaataaaat tgtcaactct ttcagtttaa aaaaaaaa 840
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa 890

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&lt;210&gt; 375

&lt;211&gt; 1874

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 375

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gttcaggaac ttaggctaga aaggaacaca gtaaaactgaa ttgatccgtt tagaagttta 60
caatgaagtt tcttctaata ctgctcctgc aggccactgc ttctggagct ctccctctga 120
acagctctac aagcctggaa aaaaataatg tgctatttgg tgaaagatac ttagaaaaat 180
tttatggcct tgagataaac aaacttccag tgacaaaaat gaaatatagt ggaaacttaa 240
tgaaggaaaa aatccaagaa atgcagcact tcttgggtct gaaagtgacc gggcaactgg 300
acacatctac cctggagatg atgcacgcac ctcgatgtgg agtccccgat gtccatcatt 360
tcagggaat gccagggggg cccgtatgga ggaaacatta tatcacctac agaatcaata 420
attacacacc tgacatgaac cgtgaggatg ttgactacgc aatccggaaa gctttccaag 480
tatggagtaa tgttaccccc ttgaaattca gcaagattaa cacaggcatg gctgacattt 540

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tgggtggtttt tgcccgtgga gctcatggag acttccatgc ttttgatggc aaaggtggaa 600
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acgaattctg gactacacat tcaggaggca caaacttggt cctcactgct gtccacgaga 720
ttggccattc cttaggtctt ggccattcta gtgatccaaa ggccgtaatg tccccacct 780
acaaatatgt tgacatcaac acatttcgcc tctctgctga tgacatacgt ggcattcagt 840
ccctgtatgg agacccaaaa gagaaccaac gcttgccaaa tctgacaat tcagaaccag 900
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aagtttgaaa atagttacct tcaaaaggcca agagaattct atttgaagca tgctctgtaa 1740
gttgcttctt aacatccttg gactgagaaa ttatacttac ttctggcata actaaaatta 1800
agtatatata ttttggtcca aataaaattg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aagc 1874

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&lt;210&gt; 376

&lt;211&gt; 2018

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1997)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2012)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 376

```

gccacatccc ggcagccctc ctacckgcgc acgtgggtgcc gccgctgctg cctcccgtct 60
gccctgaacc cagtgcctgc agccatggct cccggccagc tcgccttatt tagtgtctct 120
gacaaaaccg gccttggtga atttgcaaga aacctgaccg ctcttggttt gaactgtgct 180
gcttccggag ggactgcaaa agctctcagg gatgctggctc tggcagtcag agatgtctct 240
gagttgacgg gatttcctga aatgttgggg ggacgtgtga aaactttgca tctgacgtc 300
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gtggtgtcca cggagatgca gagctccgag agtaaggaca cctccttgga gactagacgc 600
cagttagcct tgaaggcatt cactcatagc gcacaatatg atgaagcaat ttcagattat 660

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ggagcccctg gatttataaa cttgtgcatg gctttgaacg cctggcagct ggtgaaggaa 840
ctcaaggagg ctttaggtat tccagccgct gcctctttca aacatgtcag cccagcaggt 900
gctgctgttg gaattccact cagtgaagat gaggccaaag tctgcatggg ttatgatctc 960
tataaaaacc tcacacccat ctcagcgcca tatgcaagag caagaggggc tgataggatg 1020
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caatatgtga ctggaacctt tggcgaggat gaagatttga taaagtggaa ggcactgttt 1620
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attttaccac aactgtttt ttggttggct tatgtgtagg tgaacagtc cgcctgaaac 1920
tttgaggata acttttttaa aaaataaaac agtatctctt aatcactgga aaaaaaaaaa 1980
aaaaaaaaa aaacnccgg ggggggcccc gnacccca

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2018

&lt;210&gt; 377

&lt;211&gt; 818

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (818)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 377

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atcgacccac gcgtccggag cggttgcgca gtgaaggcta gaccgggttt actggaattg 60
ctctggcgat cgagggggtcc tagtacaccg caatcatgtc tattatgtcc tataacggag 120
gggcccgtcat ggccatgaag gggaagaact gtgtggccat cgctgcagac aggcgcttcg 180
ggatccaggc ccagatggtg accacggact tccagaagat ctttcccatg ggtgaccggc 240
tgtacatcgg tctggccggg ctgcgcaact acgtccagac agttgcccag cgcctcaagt 300
tccggctgaa cctgtatgag ttgaaggaaag gtcggcagat caaaccttat accctcatga 360
gcatggtggc caacctcttg tatgagaaac ggtttggccc ttactacact gagccagtca 420
ttgccggggt ggaccggaag acctttaagc ctttcatttg ctctctagac ctcatcggct 480
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aagccatgct gaatgctgtg gaccgggatg cagtgtcagg catgggagtc attgtccaca 660
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818

&lt;210&gt; 378

<211> 2565  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1508)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2565)  
<223> n equals a,t,g, or c

<400> 378  
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gtaaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg ggggn 2565

&lt;210&gt; 379

&lt;211&gt; 1680

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 379

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&lt;210&gt; 380

&lt;211&gt; 1267

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

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gtcaagattt tacttggcat tgagtagttt ttttcaatag taggtaattc cttagagata 360
cagtatacct ggcaattcac aaatagccat tgaacaaatg tgtgggtttt taaaaattat 420
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tataggttta ttacaagttt tttaggattc ttttggggaa gagtcataat tcttttgaaa 540
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gcactgatta aaataggatt attttaarta caaaaggcat tttatatgaa ttataaactg 720
aagagcttaa agatagttac aaaatacaaa agttcaacct cttacaataa gctaaacgca 780
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anaaatt 1267
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<210> 381

<211> 1031

<212> DNA

<213> Homo sapiens

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<210> 382
<211> 1597
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc feature  
<222> (1579)  
<223> n equals a,t,g, or c
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agcggctgtc	caatcgcagtc gtgcgtgtgt tgggctgtaa cccgggtccc atgacctctc 180
aaggaccaaa	ccactacctca gtggggagcc gccccaggag aatctctcat gatactcagc 240
aaccagcaat	tccagataatc atcagctgtt taagcaggcg tctaactgaa tttaactgag 300

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aaaaaaaaaa aaaaaangnc cccggggggg ggcgggn 1597

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<210> 383

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<400> 383

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ccaaacatct actacaaggt atgagggtc ctctnactgt gctatcctga atccagccct 120
tcttgggggtg ctctccagt ttaaattcct ggtttraggg acamctstaa catct 175

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<210> 384

<211> 2171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 384

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cggacttctct cgtgggtcaaa gagtcattcc acgaataacc atagaaatga aagcagagggc 240
agaaaagaaa aataaaaaga aaattaagaa tgaaaatact gaagggaagcc ctcaagaaga 300
tggtgtggaa ctagaaggcc taaaacaaag attagaaaag aaacagaaaa gagaaccagg 360
tacaaagaca aagaacaaa ctacattggc atttaagcca atcaaaaaag gaaagaagag 420
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<210> 385

<211> 2364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

&lt;400&gt; 385

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2364

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&lt;210&gt; 386

&lt;211&gt; 2864

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 386

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ccggtaacaa agaacgaacg gcagggtgatg aagccactat acgacaggta ccggctggtc 120
aaacagatcc tctcccagagc taacaccata ccatcatttg gttccccctc cagcaagcgg 180

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&lt;210&gt; 387

&lt;211&gt; 2683

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc feature  
 <222> (40)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2649)  
 <223> n equals a,t,g, or c

<400> 387  
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 ctacttgacg gtygttgtca tctgagttga gcaactggta cattgaaggt gctgggtaag 420  
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ctggaarmna aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 2683

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<210> 388

<211> 1446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 388

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gtgatgaaga agaggaggaa gatgaggaga gtccttcgga gggcttgagg gctgaggact 180
gggcccaggg agtagtgagg gccggtggca gcttcggggc ttatgggtgcc caggagggaag 240
cccagtgcct tactctgcat ttcttggaag gtggggagga ctctgattca gacagtgagg 300
aagaggacga tgaggaagag gatgatgaag atgaagacga cgatgatgat gaggaggatg 360
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aaaaaa

1446

&lt;210&gt; 389

&lt;211&gt; 723

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (705)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 389

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ygactaaagt tctgtgtgat acgtgtgcct tatttagctc aagacattcc tggagcacct 120
ataaaaactg acttgtaatc caggctatgt ctcttttttag ctctgtaatc tttggcaagg 180
ccattggatt cttcagctgt acaattagga gactcgatca ggtgattgcc tttctcagct 240
gtcagttctc taatttcagg cttaggtagct tgtaggaact gaaattgcaa ttaaaacctt 300
tataaactca aactaaatca tgaattacag aaaaagtcca ttcttccaaa acttgatggt 360
accacactta caagtttaaa atatgaagtc gactgtttta aggattctgc atatattcta 420
gtgtgcacat tcagaaacat ttttcttgga aaaagtaccc aacatttttt ataactgcac 480
atattaatth attgccagaa taaattgcat tgcatgctaa ataaagtcag ataattcaaa 540
tccatttgct tttatgtagt ttttcttcta aatgtcaaca ttttggaatt aaaatgttta 600
tggttttata tgagggtagg aaatcttaac tgctttgggg ggtattgttt ataggctttt 660
tgttatgggg ccggtagttt ttaaataggg ggattgcca tttcnaccgt ttggggggccc 720
ggg 723

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&lt;210&gt; 390

&lt;211&gt; 1046

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 390

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gaaccagcca gatgttcggc cccagccccc ttcccccga gagggccctc tgctgtctgc 120
ccgacctgct ggtgccactc tggaaagggc caagactctc tccccaggga agaattgggt 180
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<210> 391
<211> 699
<212> DNA
<213> Homo sapiens

<400> 391
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agaagagaaa gctgagaact tcggaaaagg ctcactctgt accctggaga agggaaactg 600
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<210> 392
<211> 1545
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 392
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tggcacccgt tgccctcaagt acctgctgtt tacctacaat tgctgcttct ggctggctgg 180
cctggctgtc atggcagtg gcatctggac gctggccctc aagagtgact acatcagcct 240
gctggcctca ggcacctacc tggccacagc ctacatcctg gtggtggcgg gcactgtcgt 300

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<210> 393

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (748)

<223> n equals a,t,g, or c

<400> 393

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tgaaccggyc caggtcggaa acggagcagt ttctcttgag cggagattca ggtttttcag 180
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gactgcctcg ctgccccacc tcccgctcct tggcctgtcc ccagattcct tccctggttg 600
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<210> 394  
 <211> 611  
 <212> DNA  
 <213> Homo sapiens

<400> 394  
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 agccggaaga gcgtttccca aagtgtattc tgcggaacta gcacctactg tgttctcaac 180  
 accgtgccac ctatagaaga tgatcatggg aacagcaata gtatcatgt aaaaatcttt 240  
 ttaccgaaaa agctgcttga atgtctgccg aaatgttcaa gtttaccaaa agagaggcac 300  
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 aatttaattt cattttttaa ttttggtgta caagctgtaa catttcatct ttcaaagtgt 480  
 aacacgctga tttcctcaaa tagagatacc cttttgagtg ataaatttgc aaaatgctgt 540  
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<210> 395  
 <211> 1856  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1851)  
 <223> n equals a,t,g, or c

<400> 395  
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 gagcccgccg cggccaggcc ctgccgtca tggtgccagc ccagagaggg gccagcccg 180  
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 atcgaaaaga ggctcgaatg agtgagctgg aacagcaagt ggtagattta gaagaagaga 360  
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<213> Homo sapiens

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<212> DNA

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&lt;211&gt; 1273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;



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 <213> Homo sapiens

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<211> 1522

<212> DNA

<213> Homo sapiens

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1522

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&lt;210&gt; 401

&lt;211&gt; 1370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1223)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 401

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1370

<210> 402

<211> 1412

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1406)

<223> n equals a,t,g, or c

<400> 402

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1412

<210> 403

<211> 1750

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<400> 403

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taacacaaaa gctacggatg gaggagcgtat ttaaaaagaa agaaagatta ctcaggaaaga 600
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aacttttttc tacaatgtat ttgtttgcga gtaggacttg ggagtcattg ggaaaaaaa 1680

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<210> 404

<211> 1339

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1330)

<223> n equals a,t,g, or c

<400> 404

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 ctgggtttgga aagtctttgc tttggaagcg tcagacatta gaacaggcca aactggactg 240  
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 cgtgtcctgc gtgctcttca ccctctgggg cgccctgct gcggctggca ggtgcagaca 360  
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 cactgtgagg ctgtgagaga tttgtggcag gaactgttta tgaggctcta gttgttgctg 480  
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 tatcagggtc tgtttgactt aggtctttca gttttccttt cggttccctt ttaaaaatgt 1320  
 gattgttaan ctgcctctt 1339

<210> 405

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 405

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cttgggtatc ggctattgcc tgagtgtgct agagtcctcg aagagtaact gctgacctta 60
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cacctaccca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
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ctgctctaca ccagtgaata atttacctc taataggggg tggttaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtgggtgt tacctcttnc tagccacca 480
gg 482
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<210> 406

<211> 1413

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 406

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cagtgtcaga tatttttatt ttagtatattc ctgttttggt ttattttgcat cttagaagag 1080
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1413

```

<210> 407

<211> 1693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1548)

<223> n equals a,t,g, or c

<400> 407

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1693

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<210> 408

<211> 1342

<212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <222> (107)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1332)  
 <223> n equals a,t,g, or c

<400> 408  
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 aaaaaaaaaa anaaaaaaaaac ca 1342

<210> 409  
 <211> 2417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (107)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (680)

<223> n equals a,t,g, or c

<400> 409

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2417

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<211> 1401

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<213> Homo sapiens

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<211> 3016

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<400> 411

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&lt;211&gt; 958

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (930)

&lt;223&gt; n equals a,t,g, or c

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<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

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 a a g g a g a a a g t g c t g t g g a c c g c t a t c a c c c t c t t t a t c t c t t a g t g t g c t g c c a g a t t 300  
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 c t t a t a a t g c a a c t c t t g g c t g g c g c c a a g a t a a t t g a a g t g g t g a c a c c c a a a a g a c 480  
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&lt;211&gt; 2880

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 415

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<210> 416

<211> 1616

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1611)

<223> n equals a,t,g, or c

350

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1616)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 416

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&lt;210&gt; 417

&lt;211&gt; 1815

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (270)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1184)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 417

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cagggtcagg agatttctcc acgagcaagc actctggccc gaggttcag atggtgcctt 60
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taccacata gtcacagtct ggccaccatc ggtgcttcag tgggcatgca tgccgcactg 120
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caggatgccc ctogtcactc cccttaggag cccagggccc agggcactca ggtgtcagat 240
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1815

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&lt;210&gt; 418

&lt;211&gt; 1966

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 418

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&lt;210&gt; 419

&lt;211&gt; 2852

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2838)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2843)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 419

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&lt;210&gt; 420

&lt;211&gt; 2705

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 420

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2705

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&lt;210&gt; 421

&lt;211&gt; 1901

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1828)

&lt;223&gt; n equals a,t,g, or c

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<210> 422

<211> 2477

<212> DNA

<213> Homo sapiens

<400> 422

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&lt;210&gt; 423

&lt;211&gt; 777

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (759)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (764)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 423

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<210> 424

<211> 1649

<212> DNA

<213> Homo sapiens

<400> 424

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<210> 425

<211> 1608

<212> DNA

<213> Homo sapiens

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<221> misc feature  
<222> (1598)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1600)  
<223> n equals a,t,g, or c

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<211> 1794  
<212> DNA  
<213> Homo sapiens

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<222> (1789)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

&lt;222&gt; (1790)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1793)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 426

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&lt;210&gt; 427

&lt;211&gt; 770

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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<220>  
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<222> (97)  
<223> n equals a,t,g, or c

<220>  
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<222> (618)  
<223> n equals a,t,g, or c

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<211> 512  
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<213> Homo sapiens

<220>  
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<222> (18)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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catagctgag aagtgttttg atcatgctgc tgggacttcc tatgtggtcg gagaaacgtg 360
ggagaagccc taccaaggct ggatgatggt agattgtact tgcctgggag aargcagcgg 420
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attngagaca ncttgagcaa gaaggataat cg                               512

<210> 429
<211> 1470
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<213> Homo sapiens

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<220>
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<222> (1347)
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<220>
<221> misc feature
<222> (1357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1415)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (1454)  
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<220>  
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<210> 430  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

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<210> 431

<211> 1823  
<212> DNA  
<213> Homo sapiens  
  
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<220>  
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<222> (1805)  
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<220>  
<221> misc feature  
<222> (1815)  
<223> n equals a,t,g, or c

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 <212> DNA  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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 <222> (3293)  
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<220>  
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 <222> (3391)  
 <223> n equals a,t,g, or c

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3391

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&lt;211&gt; 2553

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2516)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 433

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<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

<400> 434

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&lt;210&gt; 435

&lt;211&gt; 1822

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 435

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&lt;210&gt; 436

&lt;211&gt; 1030

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 436

```

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1030

&lt;210&gt; 437

&lt;211&gt; 1632

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1602)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1616)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1617)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1628)

<223> n equals a,t,g, or c

<400> 437

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attccccgntt cc 1632

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<210> 438

<211> 1016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (993)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (994)

<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (995)  
<223> n equals a,t,g, or c

<400> 438  
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<210> 439  
<211> 594  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (476)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (531)  
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

<400> 439

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acaacaactg gaacttcaag taactcctcc cagagtactt ccaactctgg gttggcccca 240
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aaggaaaaac aggtcttcat cgaatctact aattccacac cttttaaaaa tttttnggga 480
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<210> 440

<211> 1580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (873)

<223> n equals a,t,g, or c

<400> 440

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<210> 441  
<211> 1082  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (465)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1074)  
<223> n equals a,t,g, or c

<400> 441  
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<210> 442

&lt;211&gt; 1241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 442

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&lt;210&gt; 443

&lt;211&gt; 968

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 443

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ttttattcat ttgcattagc aaatatcat gcagcagcag ttgactgaaa atttattctt 780
atgagacgta tagtattcat ttttaaatgc atgattgtac attatgtata gacgacaatg 840
tttttaattt ataaatttca ttctttgtta attgcatggg tttttctgca gcttattgtg 900
aataccttgg ttctgttcaa tagaaacatt ttgtatatat traatactga aatatcaaaa 960
aaaaaaaaa 968
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<210> 444
<211> 1360
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 444
cgccggagcg tcactctgcga ctccaatgcc actgcactgg agcttcccgg ccttcctctt 60
tccctgcccc agcccagcat ccccgcggt gtcccgagaga gtgctccacc gganccccac 120
cggaagaga ccgtgaccgc caccgccact tcccaggtag ccagcagcc tccagccgct 180
gccgccccctg gggaacagcg cgtcgcgggc cctgccccctc gactgtcccc agcagtacca 240
gcaaagaccg cccagtgtcc cagcctagcc ttgtggggag caaagaggag ccgccgccgg 300
angaaagtgg cagcgcgggc gcaagcgcmn aaggagccac aggaggaacg gagccagcag 360
caggatgata tcgaagagct ggagaccaag gccgtgggaa tgtctaacga tggccgctt 420
ctcaaatttg acatcgaaat cggcagaggc tcctttaaga cgttctacaa aggtctggac 480
actgaaacca ccgtggaagt cgcctggtgt gaactgcagg atcgaaaatt aacaaagtct 540
gagaggcaga gatttaaaga agaagctgaa atgttaaaag gtcttcagca tcccaatatt 600
gttagatttt atgattcctg ggaatccaca gtaaaaggaa agaagtgc atgttttggtg 660
actgaactta tgacgtctgg aacacttaaa acgtatctga aaaggtttaa agtgatgaag 720
atcaaagttc taagaagctg gtgccgtcag atccttaaaag gtcttcagtt tcttcatact 780
cgaactccac ctatcattca ccgcgatctt aaatgtgaca acatctttat caccggccct 840
actggctcag tcaagrtrtg agacctcgt ctggcaaccc tgaagcgggc tcttttgcc 900
aagagtgtga taggtacccc agagttcatg gccctgaga tgtatgagga gaaatatgat 960
gaatccgttg acgtttatgc ttttgggatg tgcattgctg agatggctac atctgaatat 1020
ccttactcgg agtgccaaaa tgctgcgcag atctaccgtc gcgtgaccag tggggtgaa 1080
ccagccagtt ttgacaaaagt agcaattcct gaagtgaagg aaattattga aggatgcata 1140
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gaggaacacg gactacgggt agaattagca gaagaagatg atggagaaaa aatagccata 1260
aaattatggc tacgtattga agatattaag aaattaaagg gaaaatacaa agataaaaaa 1320
aaaaaaaaaa aaaaaaaaaa aaaaaacacc caccgtgccg 1360

<210> 445
<211> 1835
<212> DNA
<213> Homo sapiens

<220>

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<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1738)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1747)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1758)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1801)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1806)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1831)  
<223> n equals a,t,g, or c

<400> 445  
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cttggcccaag ctgcagggga tttgggggat gtgggacctc caattcccag ccccggcttc 120  
agctctttcc cagggtgttg ctccagctcc agcttcagct ccagctccag gtcgggctcc 180  
agctccagcc gcagcttagg cagcggaggt tctgtgtccc agttgttttc caatttcacc 240  
ggctccgtgg atgaccgtgg gacctgccag tgctctgttt ccctgccaga caccamcttt 300  
cccgtggaca gagtggaaacg yttgnaatt cacagctcat gttctttctc agaagtttga 360  
gaaagaactt tccaaagtga gggaatatgt ccaattaatt agtgtgtatg aaaagaaact 420  
gttaaacta actgtccgaa ttgacatcat ggagaaggat accatttctt aactgaact 480  
ggacttcgag ctgatcaagg tagaagtga ggagatggaa aaactgggtca tacagctgaa 540  
ggagmstttt ggtggaagct cagaaattgt tgaccagctg gaggtggaga taagaaatat 600  
gactctcttg gtgagaagc ttgagacact agacaaaaac aatgtccttg ccattcgccg 660

```
agaaatcgtg gctctgaaga ccaagctgaa agagtgtgag gcctctaaag atcaaaacac 720
ccctgtcgtc caccctcctc ccactccagg gagctgtggt catggtggtg tgggtwacat 780
cagcaaacgg tctgtggttc agctcaactg gagagggttt tcttatctat atggtgcttg 840
gggtagggat tactctcccc agcatccaaa caaaggactg tattgggtgg cgccattgaa 900
tacagatggg agactgttgg agtattatag actgtacaac acactggatg atttgcattt 960
gtatataaat gctcgagagt tgcggatcac ctatggccaa ggtagtggta cagcagttta 1020
caacaacaac atgtactgca acatgtacaa caccgggaat attgccagag ttaacctgac 1080
caccaacacg attgctgtga ctcaaaactct ccctaattgct gcctataata accgcttttm 1140
atatgctaata gttgcttggt aagatattga ctttsctgtg gatgagaatg gattgtgggt 1200
tattttattca actgaagcca gcactggtna catggtgatt agtaaaactca atgacaccac 1260
acttcagggt ctaaacactt ggtataccaa gcagtataaa ccactctgctt ctaacgcctt 1320
catggtatgt ggggttctgt atgccaccg tactatgaac accagaacag aagagatttt 1380
ttactattat gacacaaaca cagggaaaga gggcaacta gacattgtaa tgcataagat 1440
gcagggaaaa gtgcagagca ttaactataa cccttttgac cagaaacttt atgtctataa 1500
cgatggttac ctctgaatt atgatcttct tgtcttgacg aagccccagt aagctgttta 1560
ggaggttagg tgaagagaa aatgtttgtt gaaaaaatag tcttctccac ttacttagat 1620
atctgcaggg gtgtctaaaa gtgtgttcat ttgtcagcaa tgtttargtg catagtctta 1680
ccacactaga gatctagac atttgtcttg atttggtgag tctcttggg atcatctngc 1740
ytttcangcg cmttttgnc taaagtcygt cyaggggtgg attgtcagag gtctaggggc 1800
ncttngggc ctaatggaac ccttctgtga ngaag 1835
```

<210> 446

<211> 1355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 446

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agcggagtgt gtgggcgcta tgctatcacc cgaggcagag cgagtgtctg ggtaccttgt 120
agaagtggag gagctcgccg aggaggtgct ggcggacaag cggcagattg tggaccttga 180
cactaaaagg aatcagaatc gagaggccct gagggccctg cagaaggatc tcagcctctc 240
tgaagatgtg atggtttgct tcgggaacat gtttatcaag atgcctcacc ctgagacaaa 300
ggaaatgatt gaaaaagatc aagatcatct ggataaagaa atagaaaaaac tgcggaagca 360
acttaagtgt aaggtaacc gcctttttga ggcaccaaggc aaaccggagc tgaagggttt 420
taacttgaac cccctcaacc aggatgagct taaagctctc aaggtcatct tgaaggatgt 480
agactcaaga accaagatgg gggaccagca acccccagg gtcatggag acccaggacc 540
ctccaacctt gacacctgta aggacaggat ctgccctgta agggccagcc gtcaggaaac 600
tggccatgaa aacctcttg tagtgcttg ctactctgtg atggcaggag ggaaccttca 660
gcctgtcttg ctgctggacc tggacaccag ggctcggttg acacaagatc tattgacggg 720
ccttggtagc caccagtgg tgtgtggggc agtggctgtg ggggtgtaa aatgactgca 780
acaggcactt cccaacaatg gcctgctgtt cacatggacc ctgagcaagg aaggaggag 840
ggagggcgag agtggagtgt cattccagca ttctctcag aaggagaga ggttttcagg 900
ctgtgtccat gcgattggaa taaagcagga ggctcatggg tggttgctga atgaagaaca 960
gaatcttggg gctttgtggc tcaccacagc catctgtggg gcaggcacac acacctcccg 1020
ccagctccaa ttttgcactt ttccctgct tgattccaag agtaggtgct gcctagcagc 1080
ccttcgtggc cactctttac tcaggagggc cttgcagagt cctgcaccag gcctgggtga 1140
```

```

gtggatgcgc ctcttaccat atgacacgtg tcaagatgcc cttccgcccc ctctgaaagt 1200
ggggcccggc cagcactgct cgttactgtc tgccttcagt ggtctgaggt cccagtatga 1260
actgccgtga agtcaaaact cttatgtgtt cattaagggc tcaataaatg ttagctgaat 1320
gaawaaaaaa aaaaaaaaaa amawaaaaaa aaaaa 1355

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<210> 447

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<400> 447

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tgcctctgtg tgtgtgcaag acagagagat aggctatttg tcaagtcagc tagttgccta 60
ggatatcttg tctcacatct ggctgtttcc tcttagagaa ccatccagtt ggctttccag 120
gtctggaggt gagctaattg atgagtgaat atnagcagtg ggtgttcttc atctctttga 180
ggatttgctt cagagttcac taccaaggga tttctggaac taggwgccat tctttacatc 240
agttcttgag ggttctttga tatcaggggc aaaatgatcc cttctctttt ctttcttata 300
tcctgtgctt tgnctcctgg gtgattttct ttcaagtcag ttgtgggagg tgcctaggaa 360
caacgctaac acggg 375

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<210> 448

<211> 1393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1383)

<223> n equals a,t,g, or c

<400> 448

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tcttttacat gtttaaattt aaaccattct tcgtgacccc ttttcttggt agattcatgg 60
caagaacgag aagaatgatg gtgcttggtt ggggatgtcc tgtctctctg aactttgggg 120
tcctatgcat taaataattt tcctgacgag ctcaagtget ccctctgggc tacaatccct 180
ggcggtctgc cttcatccct tgggcaagca ttgcatacag ctcattggcc tccctctacc 240
ataccctcca ccccggttcg cctaagctcc cttctccggg aatttcatca tttcctagaa 300
cagccagaac atttggtggt tatttctctg ttagtggtta accaaccatc tgttctaaaa 360

```

```

gaagggctga actgatggaa ggaatgctgt tagcctgaga ctcaggaaga caacttctgc 420
agggtcactc cctggcttct ggaggaaaga gaaggagggc agtgctccag tggtagacaa 480
gtgagacata atggaatcag gcttcacctc caaggacacc tatctaagcc attttaaccc 540
tcgggattac ctagaaaaat attacaagtt tggttctagg cactctgcag aaagccagat 600
tcttaagcac cttctgaaaa atcttttcaa gatattctgc ctgacggtg tgaagggaga 660
cctgctgatt gacatcggtc ctggcccccac tatctatcag ctccctctctg cttgtgaatc 720
ctttaaggag atcgtcgtca ctgactactc agaccagaac ctgcaggagc tggagaagtg 780
gctgaagaaa gagccagagg cctttgactg gtccccagtg gtgacctatg tgtgtgatct 840
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ggtgctgaag tgtgatgtga ctcagagcca gccactgggg gccgtccctt taccctcggc 960
tgactgcgtg ctcagcacac tgtgtctgga tgccgcctgc ccagacctcc ccactactg 1020
cagggcgctc aggaacctcg gcagcctact gaagccaggg ggcttccctg tgatcatgga 1080
tgcgctcaag agcagctact acatgattgg tgagcagaag ttctccagcc tccccctggg 1140
ccgggaggca gtagaggctg ctgtgaaaga ggctggctac acaatcgaat ggtttgaggt 1200
gatctcgcga agttattctt ccacctggc caacaacgaa ggacttttct ccctgggtggc 1260
gaggaagctg agcagacccc tgtgatgcct gtgacctcaa ttaaaagcaat tcctttgacc 1320
tgtcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
aanaaaaaaa aaa

```

1393

&lt;210&gt; 449

&lt;211&gt; 1663

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (180)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 449

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aaagaacggg ggtgatgtgg ttccacaata ttacaaggac cccaaaaagc tctgcgnaga 60
ggacttggag aagttggtga ccagggtaaa agtaggcagc gagccagcaa aagactgttt 120
gccagcaaaag cctcagagg ccacctcaga ccggtcagag ggcagcagcc gggacgcagn 180
ggtagcgacg agaacgagga gtcgagcgtt gtggattacg tggagggtgac ggtcggggag 240
gaggatgcga tctcagatag atcagatagc tggagtcagg ctgcggcaga aggtgtgtgc 300
gaactggctg aatcagactc cgactgcgtc cctgcagagg ctggccaggc ctgacaggg 360
aagtctgtta gaactgctgt gctgatcaac gggacgctcc gtctttgaag aaagaagaga 420
tggctctctc ccagccatgg gccacccttg ccagtract caagtggaaac tacttagctc 480
gcgtgtgcct ggarggtgcg ggaagtccag cgactctcag acgcacctcc cagaggaccg 540
gtgggaattg ttcatagtgc caaagtccta mtactgcgtt ttcaatgggt ccttgatcat 600
agtttgctcc tctgscctag ncctcacctc ttgtataact ggraccgatt tgtacaatgt 660

```

```

gggaattttg ttaccytttt aatcaagggc aacttccttt tccagcacta ccattgtaag 720
gttkttttca ggaggaggagg staaccacct tgcttttctc ttttctcttt ttcttttttt 780
tatttttggt ttattaattt ggggaaaggg gtgttagcat tagtgccatg atactacttg 840
gattttaagt agggagacct tatttttaaa ggtaggttga aatttgaggg atttctcggc 900
aggaaggggt gaaatccagg cccctgtctc aacttgga gaagtgacag acggcagatc 960
ttccaaatca aattcctttc cagttcttcc cctggctgcc tttttggggg tccctgcctt 1020
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tcttgggcag gctgtgccca gccagccctg ggagaactgg gtagcagggtg gctgacttct 1140
ttaagcacct ttctaaatac cagcagaaga ggctcccggc tctgttagca tgatcagtac 1200
tattgtgaca ttaaaacaac aacaataaga tcttcctatc tggagggtac agagggtgaat 1260
ggctttgggt ttcatctctc ttcttactg ccttttctcg gtgtggtatt tgacaagatt 1320
ttagctcaaa gcctcaccat gaattgattt tttttgtttg tgtgtgtgtt tgttttggga 1380
caattttaga tacctgagtg cactttttca gtagtccta acttttaaaa gaaggaanaac 1440
caagagacat atctgggtga cgtgttgcat tatgaactct ggttgcaatc cctccccctc 1500
ccacactgcc ccccatattga gtacrcgca caagtcaaac gctaggaagt ttgaataaaa 1560
ccaatttttc taacttggtg ctcatattgt gtaactcaat aaagcaaga ctaaacattt 1620
ttataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1663

```

&lt;210&gt; 450

&lt;211&gt; 1380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 450

```

gggtcgacc acgcgtccgg caccatgggc gcagcagcca tctccactcc aaagttagac 60
aaaatgccag gaatgttctt ctctgctaac ccaaaggaat tgaaaggaac cactcattca 120
cttctagacg acaaaatgca aaaaaggagg ccaaagactt ttggaatgga tatgaagca 180
tacctgagat ctatgataccc acatctggaa tctggaatga aatcttccaa gtccaaggat 240
gtactttctg ctgctgaagt aatgcaatgg tctcaatctc tggaaaaact tcttgccaac 300
caaactggtc aaaaatgtctt tggaaagtttc ctaaagtctg aattcagtga ggagaatatt 360
gagttctggc tggcttgtga agactataag aaaacagagt ctgatctttt gccctgtaaa 420
gcagaagaga tatataaagc atttgtgcat tcagatgctg ctaaacaaat caatattgac 480
ttccgcactc gagaatctac agccaagaag attaaagcac caacccccac gtgttttgat 540
gaagcacaaa aagtcatata tactcttatg gaaaaggact cttatcccag gttcctcaaa 600
tcagatattt acttaaatct tctaaatgac ctgcaggcta atagcctaaa gtgactggtc 660
cctggctgaa gggaattaac agatagtatc aagcgcagaa ggaatgtgcc agtatggctc 720
cctgggtgaa cagcttggcc ttttttgggt gtcttgacag gccaagaaga acaaatgact 780
cagaatggat taacatgaaa gttatccagg cgcagagttg aagaagcata agcaagacaa 840
aacagagag accgcagaag gaggaagata ctgtgttact gtcataaaaa acagtggagc 900
tctgtattag aaagcccctc agaactggga aggccaggta actctagtta cacagaaact 960
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tatgttttca aattgccatt gctactattg cttgtcgggt ttattttatt ttattgtttt 1140
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tcagaatata tttgtaagtt aaatcattgg tgctaataat aaatgtggat ttgtatttaa 1260
aatatataga agcaatttct gtttacatgt ccttgctact tttaaaaact tgcatttatt 1320
cctcagattt taaaaataaa taaataattc atttaaaaaa aaaaaaaaaa aaactcagag 1380

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&lt;210&gt; 451

&lt;211&gt; 926

&lt;212&gt; DNA



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<213> Homo sapiens

<220>
<221> misc feature
<222> (687)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (865)
<223> n equals a,t,g, or c

<400> 451
gttgcatctt cttgctgtcc tagaaaaaat gatttcacag ggtaacaata acaaaaatgg 60
aaagaatgag actggttaata acaacaacaa agatggatct aatcataaag ctgaaagtgg 120
agctctaata gaagctgcaa aatcaaagat acatcagtag aaagtacgag cttatatcca 180
aatgaagtct ctgaaagcat gtaaaaggga aatcaagtca gtcataaata cagctggaaa 240
ttccgcaccc tctctcttct ttaaaagcaa ttttgagtac ttaagaggta attatcgaaa 300
agccgtgaag ctattaaata gttcaaacat tgctgagcat ccaggattca tgaaaacagg 360
tgaatgcttg agatgcatgt tctggaataa ccttggttgc atccattttg ccatgagcaa 420
gcacaatttg ggaatattct actttaaaaa ggctctgcaa gagaatgaca atgtctgtgc 480
acagctcagt gcaggtagca ctgatccagg taaaaaattt tcaggaagac ccatgtgtac 540
gttactaacc aataagagat atgagttgct gtataactgt ggaattcagc ttcttcacat 600
tggaaggcct cttgctgcct tcgaatgtct gattgaagct gttcagggtt atcatgcaa 660
tcctgccttc tggtacggc tggctgnaat gctgcattgc tgccaataag gggacttctg 720
aacaagaaac taaaggcctt cccagcaaaa aaggaattgt acagtctatt gttggkcaa 780
gctatcatcg taaaatagtt ttggcatcac agtctataca gaatactgtt tatraatggt 840
ggggcagctc tcggccattc ctgtnagcca gtatgggagt ttgacagccc atatgttctc 900
agaaatgcct ggtttgctgg ttacct                                     926

<210> 452
<211> 1642
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1608)
<223> n equals a,t,g, or c

<400> 452

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gagcgcggrg gcatcgcgcg ctcgcggtca ctgggtccctg gctcggttcc ccgcaccccc 120
gggctcacac ttacccgcgc ggaggancan cggccgggtg tccaccccca tcctgcgccc 180
agtctcctcg attccctcgc ctctgagccg ggagagccga acagctgaag agagttcact 240
gactccccag cccaggtgg gccttggtga catcatgacc agttttgaag atgctgacac 300
agaagagaca gtaacttgtc tccagatgac ggttttaccat cctggccagt tgcagtgtgg 360
aatatttcoag tcaataagtt ttaacagaga gaaactccct tccagcgaag tgggtgaaatt 420
tggccgaaat tccaacatct gtcattatac ttttcaggac aaacagggtt cccgagttca 480
gttttctctg cagctgttta aaaaattcaa cagctcagtt ctctcctttg aaataaaaaa 540
tatgagtaaa aagaccaatc tgatcgtgga cagcagagag ctgggctacc taaataaaat 600
ggacctgcc aacaggtgca tggtcagatt cggagagtat cagtttctga tggagaagga 660
agatggcgag tcattggaat tttttgagac tcaatttatt ttatctccaa gatcactctt 720
gcaagaaaac aactggccac cacacaggcc cataccggag tatggcactt actcgtctctg 780
ctcctcccaa agcagttctc cgacagaaat ggatgaaaat gagtcatgaa cacagaaagt 840
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agttgattag ggtagtatat tatagtcac tgttatgctg tgaattttgg aattcartat 960
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aaaaaaaaa aaaaaaaaaa aa 1642

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&lt;210&gt; 453

&lt;211&gt; 2254

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 453

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gagtttgatt ataaaaaaaa aaaaaaaaaa aaaa 2254

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&lt;210&gt; 454

&lt;211&gt; 1931

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 454

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ggcacgaggg aaggagcaag agtgggaggc gcgcgcggag gccgcgacgg acgcaagatg 60
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aaaaaaaaaa a 1931

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&lt;210&gt; 455

&lt;211&gt; 771

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 455

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg g 771

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&lt;210&gt; 456

&lt;211&gt; 1169

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1167)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1169)

&lt;223&gt; n equals a,t,g, or c

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1169

<210> 457
<211> 3249
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3234)
<223> n equals a,t,g, or c

<400> 457
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gagggggccg gatactggtt gccgcgggtg taagcagaat tcgacgtgta tcgctgccgt 180
caagatggag gggcctttgt ccgtgttcgg tgaccgcagc actggggaaa cgatccgctc 240
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aactggacca aattagacag agagaatcag atatcaccaa ggagagaatt cagaagatcc 1020

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&lt;210&gt; 458

&lt;211&gt; 1916

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1895)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1902)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 458

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&lt;210&gt; 459

&lt;211&gt; 2773

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 459

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cgcatctag aac 2773

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&lt;210&gt; 460

&lt;211&gt; 2031

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 460

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tttcttcaat cacatctgaa taaatcactt gaagaaagct tatagcttca ttgaccatg 180
tgtggcattt gggcgctgtt tggcagtgat gattgccttt ctgttcagtg tctgagtgct 240
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<210> 461

<211> 1839

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1832)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1839)

<223> n equals a,t,g, or c

<400> 461

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gcccagggcg agcacgatgc cccctaaaaa gggaggtgat ggaattaaac caccaccaat 180
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&lt;210&gt; 462

&lt;211&gt; 779

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (731)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (737)

&lt;223&gt; n equals a,t,g, or c

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<220>
<221> misc feature
<222> (759)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (762)
<223> n equals a,t,g, or c

<400> 462
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<210> 463
<211> 1717
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 463
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tgatccttga tgactattac wcataacagc actctagcac cttwtcttac tggcatggac 120
ttcctcatgg actgctact catggatgat agcttcattg ctttgggtag ggatttaagg 180
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1717

&lt;210&gt; 464

&lt;211&gt; 828

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (787)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (819)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (827)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 464

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ggcacgagag atggcggcgc aacagcggga ctgcgggggt gctgcgcagc tggcggggcc 60
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gaagccgaag aagcctgtct gtggggtgtg tcgcagcgct ctggcacctg gcgtccgagc 240
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gaatcagggtg ttgcagcgct ccatcatcga ccagttagca gagtccgtgc ttgctatctg 720
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgaaaa aaaaaaaggg 780
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<210> 465

<211> 1173

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1171)

<223> n equals a,t,g, or c

<400> 465

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tccttgcccta gcaaaaaaaaa aaaaangngg ngg

1173

&lt;210&gt; 466

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 466

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 gtaaaagcatk gccggcccgg catcggggcc acccaactsct cccgmmtcat ccctctcaag 480  
 taatggctca gytaataaag gcgsacatga ctccaaaaaa a 521

&lt;210&gt; 467

&lt;211&gt; 1428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 467

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 gaatagttaa cactcaaaaa aaaaaaaaaa aaaaaacttg agggggggg 1428

&lt;210&gt; 468

&lt;211&gt; 3463

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1187)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 468

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&lt;210&gt; 469

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 469

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aaaaaaaaaa aaaaaaaaaa a

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621

&lt;210&gt; 470

&lt;211&gt; 1833

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (386)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



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<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1798)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1812)
<223> n equals a,t,g, or c

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<210> 471
<211> 3202
<212> DNA
<213> Homo sapiens

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 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (3160)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (3180)  
 <223> n equals a,t,g, or c

<400> 471  
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 tccagcagac acacctgttg gaaatgatca actgctggaa atacttaata aattaatcaa 1980  
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3202

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&lt;210&gt; 472

&lt;211&gt; 941

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (927)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 472

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941

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&lt;210&gt; 473

&lt;211&gt; 1279

<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (1144)  
<223> n equals a,t,g, or c  
  
<220>  
<221> misc feature  
<222> (1273)  
<223> n equals a,t,g, or c

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<210> 474  
<211> 3209  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<400> 474  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

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<211> 1141  
<212> DNA  
<213> Homo sapiens

<220>  
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 <222> (11)  
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 <212> DNA  
 <213> Homo sapiens

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<210> 478

<211> 4201

<212> DNA

<213> Homo sapiens

<220>

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<222> (4077)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4186)

<223> n equals a,t,g, or c

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&lt;210&gt; 479

&lt;211&gt; 787

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc feature

<222> (780)

<223> n equals a,t,g, or c

<400> 479

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<210> 480

<211> 731

<212> DNA

<213> Homo sapiens

<400> 480

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731

<210> 481

<211> 1119

<212> DNA

<213> Homo sapiens

<400> 481

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ataaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagg 1119

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&lt;210&gt; 482

&lt;211&gt; 2056

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 482

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```

&lt;210&gt; 483

&lt;211&gt; 887

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 483

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tttttgatgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaaa 887
```

&lt;210&gt; 484

&lt;211&gt; 1878

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1446)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 484

```
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```

```

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aaaaaaaaa aaaaaaaa

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1878

&lt;210&gt; 485

&lt;211&gt; 1566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 485

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<210> 486

<211> 3046

<212> DNA

<213> Homo sapiens

<400> 486

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cagtttcaag actgtattat tcaaggctta actgaaaccg gtactgattt ggaagcagta 240  
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&lt;210&gt; 487

&lt;211&gt; 1904

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 487

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<210> 488

<211> 827

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (826)

<223> n equals a,t,g, or c

<400> 488

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<210> 489

<211> 1926

<212> DNA

<213> Homo sapiens

<400> 489

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1926

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<210> 490

<211> 1461

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<400> 490

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aagtggcgtg agcggcttgt tggataagtg gaagatagat gataagcctg taaaaattga 180
caagtgggat gcatcagctg tgaaaaactc tttggatgat tctgccaata aggtacttct 240
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aggaatggat cctgatgata ttgtgcagct gtccctcagt cttaaaagggt ttgatgacaa 540
atacaccttg aagctgacct tcatcagtgg gagaacaaag cagcagcggg aagccgagtt 600
cacaaagtcc attgctaagt tttttgacca cagtgggaca ctggtcatgg atgcatatga 660

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ttatccctag gngggtattt a 1461
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&lt;210&gt; 491

&lt;211&gt; 805

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 491

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aagattgcta aaaaatacca ctgcaaagtg atggaaaagg gtggagaaca ggggagtagc 480
caggctggat ggctcaataa taaatgaatg aggaattctt tatgaagat cagtcagatt 540
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tattagagag gtactttaga ggcttcttga ttggcataaa gttcctaagg ttatagattt 660
tccccctttt tggctgtata gcaaagtgtt ttaatccacg gttgtgcctt attgttccat 720
taaaattgta tcttcgatcc atcaataaat acttgtggtt gaaacaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaa 805
```

&lt;210&gt; 492

&lt;211&gt; 2269

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 492

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ggaccctgat gatgaggaca gtgattacca ccaggaggcc tacaaggagt cctacaaaga 120
cgggcggcgg cgcgcacaca ctcaggctga gcagaagagg agggacgcca tcaagagagg 180
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aaagatcatg 420
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ctacaacacc 780
ttttatcttc 840
ttgacgataa 900
ggcgtctgct 960
gatttctgct 1020
gcaacatttt 1080
gctgtatggg 1140
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gttttgctac 1440
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tttagcattg 1800
kggctgggtc 1860
cttgtctcct 1920
caaaaacaag 1980
gtcctgaccg 2040
atcccaactt 2100
cacaggggaa 2160
gtatccttca 2220
tttcagatgg 2269

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&lt;210&gt; 493

&lt;211&gt; 4108

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 493

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aatttaaccc 120
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tgaattatgc 420
agcagataag 480
ttaaacccagc 540
accttaaaaa 600

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<210> 494

<211> 2209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<400> 494

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&lt;210&gt; 495

&lt;211&gt; 1677

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 495

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&lt;210&gt; 496

&lt;211&gt; 1702

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1691)

&lt;223&gt; n equals a,t,g, or c

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<220>
<221> misc feature
<222> (1701)
<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2354)
<223> n equals a,t,g, or c

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<222> (2375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2376)  
<223> n equals a,t,g, or c

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cccacaagca gacccggctg tatggcatca ccacggccct gtctcagtg ccgcaagcca 180  
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caggacctgc cgttgccctg acaacacctt gggagttgac tgtatcgaac agaaatgaag 300  
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cagacttata caccctgag tgaggattac atgcccattc cagtgtccta ggaccttttc 600  
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aaccactgaa ggtgcttatt aactgttctc ccagatttgt acaagtattg gatgattcct 2280  
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2376

&lt;210&gt; 498

&lt;211&gt; 840

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (840)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 498

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gaagatggcg gtggagtcgc gcgttaccca ggaggaaatt aagaaggagc cagagaaacc 120
gatcgaccgc gagaagacat gccactggt gctacgggtc ttcaccacca ataacggccg 180
ccaccaccga atggacgagt tctcccgagg aaatgtaccg tccagcgagt tgcagatcta 240
cacttggatg gatgcaacyt tgaaagaact gacaagctta gtaaaagaag tctaccaga 300
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catgaccctg cagtcgcaga agttccagat aggagattac ttggacatag caattacccc 480
tccaaatcgg gcaccacctc cttcaggggc catgagacca tattaaattc tatttactat 540
ttgttgaatt tatttttccg tcagttatgt aaaataaaca tactcttctt cctccccctga 600
ttattgccat taagccttta aattctaaac aaattataat gcacatctta tttaggagtt 660
agatttggat gtgctattgt atgattacga atagtctgta tgtttcaagc ccttctgtaa 720
aatatgaaga aaagtgtctt tagcattctg tgtaaaactg tactgttaaa tatatgtgtg 780
taatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
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&lt;210&gt; 499

&lt;211&gt; 461

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (452)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (455)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 499

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aaatcgctcc attccccagt ggattcggat gaaaactgga aataaaatca ggtacaactc 180
caaaaggaga cattggagaa gaaccaagct ggggtctataa ggaattgcac atgagatggc 240
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ccactatctg gagatttcga cgtgttttcc tctctgaatc tgttatgaac acgttggttg 360
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461

<210> 500

<211> 2782

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (2620)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2643)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2712)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2742)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2759)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2779)

<223> n equals a,t,g, or c

<400> 500

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cgaacctaca tcatcagtat cctcttcaag tctatctttg aggtggcctt cttgctgac 180  
cagtgggtaca tctatggatt cagcttgagt gctgtttaca cttgcaaaaag agatccctgc 240  
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ttcaaggcg ctaaggatcg ggttaaggga aagagcgacc cttaccatgc gaccagtgg 420  
gcgctgagcc ctgccaaaga ctgtgggtct caaaaatatg cttatttcaa tggctgctcc 480

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ggaagaaggc aaatgcttng gg
2782

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&lt;210&gt; 501

&lt;211&gt; 1249

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 501

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agtttttgat cctgttgaac ccgcctgaga cgggtgctgtg aggggaaaagc cttccgcacc 180  
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<210> 502

<211> 1358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1334)

<223> n equals a,t,g, or c

<220>

<221> misc feature:

<222> (1347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1351)

<223> n equals a,t,g, or c

<400> 502

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<210> 503

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<400> 503

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gtggcaagca ccaaccccat aaagtgcac agtacaagaa gggcaaggat tctctgtacg 180
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gagataagaa gagaaagggc caagtgatcc agttctaagt gtcactttt attatgaaga 420
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501

<210> 504

<211> 2011

<212> DNA

<213> Homo sapiens

<220>  
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<222> (1941)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1961)  
<223> n equals a,t,g, or c

<220>  
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<222> (1974)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1976)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2002)  
<223> n equals a,t,g, or c

<400> 504  
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2011

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&lt;210&gt; 505

&lt;211&gt; 1989

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1917)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 505

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<210> 506

<211> 1085

<212> DNA

<213> Homo sapiens

<400> 506

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aaaaa                                           1085
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<210> 507

<211> 1485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1476)

<223> n equals a,t,g, or c



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<220>
<221> misc feature
<222> (1485)
<223> n equals a,t,g, or c

<400> 507
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<210> 508
<211> 1930
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<400> 508
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acaaaatttg ttagggtcat tcatgaaaac ttttaatacta aaagcacttt ccattatata 180
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gtatagtaga ggacagcctt ggtttgtaaa gctcagttcc actagtccat ggtttgtgc 300
aacttctgag cctcagtttt ctcccttgca aattaataat tacatacctt tatagatttt 360
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<210> 509

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1041)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1064)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1106)  
 <223> n equals a,t,g, or c

<400> 509  
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<210> 510  
 <211> 1382  
 <212> DNA  
 <213> Homo sapiens

<400> 510  
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<210> 511

<211> 1741

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1696)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1710)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1715)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1717)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1720)

<223> n equals a,t,g, or c

<400> 511

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1741

&lt;210&gt; 512

&lt;211&gt; 1530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1342)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1444)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1488)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1508)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 512

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<211> 2999

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (243)

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<220>

<221> misc feature

<222> (2606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2996)

<223> n equals a,t,g, or c

<400> 513

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&lt;210&gt; 514

&lt;211&gt; 2048

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 514

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<211> 3300

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c



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<210> 516

<211> 3425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

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agttaaactg attatatatt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg 3420
ggggc

```

&lt;210&gt; 517

&lt;211&gt; 1358

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1346)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1356)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 517

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tcgaccacg cgtccggacc cacgcgtccg agtcaacatc aggctactga agttgaggct 60
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tttacagcca atacaggttt aatcgatggt caatattggt ttaggaaatt taaggccttc 180
taaatcataa tagctctttc atgtctaaaa ccattttatg atattgccaa aatgtgatag 240
gaaacctact cattaaattg ttaaactttt taatgactat gtgaagatat gaattgtttc 300
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gaatctgctg cttgttggtt cagtgtttct tatgaacaag agccacagta cagagcttca 480
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aacaatggct ttacattga aagattaata gaaactctac atatgttaat ttttttatag 720
aacctgactc aaatcaaggt actctccatt ttattgcctt acctgaatca gtcctttttg 780
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taaaaaaaaa aaaaaaaaaa aaagnagga aagaanag 1358

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<210> 518

<211> 1368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<400> 518

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agggaggagg aggcgagaag atggcggacg accccagtgc tgccgacagg aacgtggaga 180
tctggaagat caagaagctc attaagagct tggaggcggc ccgcggcaat ggcaccagca 240
tgatatcatt gatcattcct cccaaagacc agatttcacg agtggcaaaa atgttagcgg 300

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atgagtttg aactgcatct aacattaagt cacgagtaaa ccgcctttca gtccctgggag 360
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ttgtatactg tggaacaatt gtaacagaag aaggaaaagga aaagaaagtc aacattgact 480
ttgaaccttt caaaccaatt aatacgtcat tgtattttgtg tgacaacaaa ttccatacag 540
aggtctttac agcactactt tcagatgata gcaagtttgg attcatttga atagatggta 600
gtgggtgcact ttttggcaca ctccaaggaa acacaagaga agtcctgcac aaattcactg 660
tggatctccc aaagaaacac ggtagaggag gtcagtcagc cttgcgtttt gcccgtttaa 720
gaatggaaaa gcgacataac tatgttcgga aagtagcaga gactgctgtg cagctgttta 780
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caattaattc ccnanaaagg ggtcaanttt ggaaaagaat tgggggaa 1368

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&lt;210&gt; 519

&lt;211&gt; 933

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 519

```

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cattagagat ttcttctgga aaactggaaa caagataggg tttaaaccag caggaggcat 180
ccgcagtgca aaggattccc ttgcttggct ctctcttgta aaggaggagc ttggagatga 240
gtggctgaag ccagaactct ttcgaatagg tgccagtact ctgctctcgg acattgagag 300
gcagatttac catcatgtga ctggaagata tgcagcttat catgatcttc caatgtctta 360
aatcagtcac cagttccaga aaagtctctt acgacaatgt ttaaaaatta ttttctacg 420
taattgctaa aattatttaa ttaaaaaatt gggcagtagg taactggcat tcctctcttt 480
aaaatttcta ccgaacttaa tggaaatggaa aaagcaaaact catccacatg tggactcat 540
ttcaggcaca tctgaaatga tcttaattac tagaagatct gcactattaa ctttgtgaag 600
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agggagaaaa aaacaatatt aaaccgcca agcagtggtc cctagcagag gaaaatgcaa 720
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aaaaaaaaaa aaaaaactcg agggggggcc cgg 933

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&lt;210&gt; 520

&lt;211&gt; 1430

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1428)  
<223> n equals a,t,g, or c

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tcacgcagga tagtaattat ttgttaaccg ggggacagga taaactgtta cgcatatatg 180  
actgaacaa acctgaagca gaacctaaagg aaattagtgg tcatcttctt ggtataaaaa 240  
aagctctgtg gtgcagttag gataaacaga ttctttctgc tgaatgacaaa actgttcgac 300  
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gtatggaata tattcctgag ggagagattt tgggtataac ttatggacga tctattgctt 420  
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ctgcatctct tcatcctgag aaagaatttc ttgttgacgg cggtgaagat tttaaacttt 540  
ataagtatga ttataatagt ggagaagaat tagaatccta caagggacac tttggtccta 600  
ttcactgtgt gagatttagt cctgatggag aactctatgc cagtgggtca gaagatggaa 660  
cattgagact atggcaaaact gtggtaggaa aaacgtatgg cctttggaaa tgtgtgcttc 720  
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aatgaggaaa atgaattagc tccagtgtcg gaacaactaa ctaacttggg ttacctgta 1020  
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaa 1430

<210> 521  
<211> 1169  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1166)  
<223> n equals a,t,g, or c

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<400> 521
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gagggggctt ttgtgaccgt ggtggtcgtg gaggccgagg gggctttggc gggggccgag 180
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gagcctggaa ccccttccgc tccaagctag cagcagcaat cctgggtggt gtggaccaga 540
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1169

<210> 522
<211> 2162
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2139)
<223> n equals a,t,g, or c

<400> 522
gccgggcgcg gagaagtcgg ggcgggcggc agagaggccg ggacgcggac cgggccgggg 60
cgcccacagc cgcccagcgg cgcccagaga gcgcgcgccc cgcagccccg cgcctagccc 120

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gccgggcatg gggcgcgcg ggcggcgtga agccccggcc tggccccgnc gcacccggcc 180
ggaggcgag ggcagagcgc ggcggcgtt gccggggcac caaatcgag cgcggcggtgc 240
gggaggggccc agagcaggac tggaaatgtc ctggccgcgc cgcctcctgc tcagatacct 300
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2162

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<210> 523

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (758)

<223> n equals a,t,g, or c



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<400> 523
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ctttgtaaag tctgtgaaga tctgtctctc ttggcatga cgctgcaagg tcaataagta 180
gataaaacct aagttgcaat tccggttttc ctcaagatct aagacatgtt acaaatgggt 240
aattgccttt gtttctcgct ttggtaacat ctccccgcct caggtatttc ccgccttgaa 300
gagtttaaaa ggcaatccta taatctaact ctggctaccc attctggacc cctccatgc 360
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aggacaccaa actgcagggc ccttyttca cccctaacca gcaggaaagta gccagaacgg 720
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gaggtgcccc attgggttt
799

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<210> 524

<211> 1722

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 524

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yacagatggg accatgaact ccggacacag ctcagccag accccctcgg cctccttcca 180
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caacatgaag ctggaaagcc gcatcctgaa atggcaccag cagagagatc ctggcagtaa 480
gaaagattat tcccagtatg aggaaaaacat cacacacctg caggagcaga tagtggatga 540
taagatgacc aatgctcaga ttattcttct cattgacaat gccaggatgg cagtggatga 600
yttcaacctc aagwtgaaa atgaacactc ctttaaaaaa gacttgaaa ttgaagtcsa 660
gggcctccga aggaccttag acaacctgac cattgtcaca acagacctag aacaggaggt 720
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<210> 525

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<400> 525

```

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ggggattagc tccggtttgc atcacccgga ccgggggatt agctccggtt tgcatcacc 120
ggaccggggg ccgggcgcgc acgagactcg cagcggaagt ggaggcggct ccgcgcgcgt 180
ccgctgctag gaccggggca gggctggagc tgggtggga tcccgagctc ggcagcagcg 240
cagcggggcg gccacctgc tggtgccctg gargetctga gcccggcgcg cggccgggcc 300
cacgcggaac gacggggcga gatgcgagcc acccctctgg ctgctcctgc gggttccctg 360
tccaggaaga agcggttgga gttggatgac aacttagata ccgagcgtcc cgtccagaaa 420
cgagctcgaa gtgggcccga gccagactg ccccctgcc tgttgccctc gagccacct 480
actgctccag atcgtgcaac tgctgtggsc actgnctccc gtytnggsc ctatgtccty 540
ctkgaagccc gaagaanggc gg 562

```

<210> 526

<211> 2023

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<400> 526

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aaagtataa cncaactaat gggtgtggac ttgaatctyc aggaaatact gttacacctg 60
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tggagaaatt atttcaaggt cagctggtat taaggacgcg ttgcttgga tgtgaaagt 180
taacagaaag aagagaagat ttccaagaca tcagtgtgcc agtacaagaa gatgagcttt 240
ccaaagtaga ggagagtctt gaaattttct cagagccaaa aacagaaatg aagaccctga 300
gatgggcaat ttcacaattt gcttcagtag aaaggattgt aggagaagat aaatatttct 360
gtgaaaactg ccatcattat actgaagctg aacgaagtct ttgtttgac aaaatgcctg 420
aagttataac tattcatttg aagtgtttg ctgctagtgg ttggagttt gattgttatg 480
gtggtggact ttccaagatc aacactcctt tattgacacc tcttaaattg tcactagaag 540
aatggagcac aaagccaact aacgacagct atggattatt tgcggttgtg atgcatagtg 600
gcattacaat tagtagtggg cattacactg cttctgttaa agtcactgac cttaacagtt 660
tagaactaga taaaggaaat ttgtgtgtg accaaatgtg tgaatatagg aagccagaac 720
cattgaatga ggagggaagca aggggtgtgg ttgagaatta taatgatgaa gaagtgtcaa 780
ttagagtggg tggaaataca cagccaagta aagttttgaa caaaaaaat gtagaagcta 840
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tacttgtata tttttataaa tacagctgag ttttcttaaa gcg 2023

```

<210> 527

<211> 2847

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2842)

<223> n equals a,t,g, or c

<400> 527

```
ggcacagggt attctgtgtc ttcatagta gaaaccttaa tgatcggctc gttgtagtga 60
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tgtaaatggt cttttaatta attaaaaaga aattagtcag ctacaagcat gaacatgtgg 180
aacgcttacc tttgtactag gcgtttttgt tttgttttta atggcctttg gaataattata 240
gtattaacat ctggaaaact aggtaaatct atcttagaat taagtntttn gtcctctttt 300
tgcagaaaaa gaacagcaaag aagcgattga acacattgat gaagtacaaa atgaaataga 360
cagacttaat gaacaagcca gtgaggagat tttgaaagta gaacagaaat ataacaaact 420
ccgccaacca ttttttcaga agaggtcaga attgatcgcc aaaatcccaa atttttgggt 480
aacaacattt gtcaaccatc cacaagtgtc tgcactgctt ggggaggaaag atgaagaggc 540
actgcattat ttgaccagag ttgaagtgtc agaatttgaa gatattaaat caggttacag 600
aatagatttt tattttgatg aaaatcctta ctttgaanaa aaagtctctc ccaaagaatt 660
tcacttgaat gagagtgggt atccatcttc gaagtccacc gaaatcaaat ggaatctggt 720
aaaggatttg acgaaacgtt cgagtcacaa gcagaataaa gccagcagga agaggcagca 780
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cctcctttct ctgtatattg ggctcagaga gtacactgtg tctctatgtg aatatggaca 1500
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ttaaaaaat ggggttatag aaggctcagca aagggtgggt ttgagatgtt tgggtgggtt 1620
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gtattaatat ctccatagct gggaaacgtg ggttcaattt gccattgggt tctgaaagta 2160
ttcacatcat ttgggatacc agatagctca atactctctg agtacattgt gcccttgatt 2220
tttatctcca agtggcagtt tttaaaattg gccttttacc tggatataaa ttaattgtgc 2280
```

```

ctgccaccac catccaacag acctggtgct ctaatgccaa gttatacacg ggacagtgc 2340
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gaatctgggt gggataatgg actcagctct gtctgctcaa tgccattgtg cagagaagca 2520
ccctaagca taagcttttt aatgctgtaa aatatagtcg ctgaaattaa atgccacttt 2580
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atgtaatttc tgcacaggtc tctgtttagt aaatacatca ctgtataccg atcaggaatc 2760
ttgctccaat aaaggaacat aaagatttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2820
aaaaaaaaaa aaaaaaaaaa anaaaaa
2847

```

<210> 528

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 528

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aaaacgantg tgtaattaac anaggctgtg cgcataaacg ttgccgttat ggttcgcgaa 60
ttttccccgg cgccaatgc gagggagacg aaantatgta aatgagtgga ttctgggtga 120
gctatcctat tggctatcgg gacaaaattt gcttgagcca atccaaagtg ctccgtggac 180
aatcgcggtt ctgtctataa aaaggtgaag cagcggcggt ttccggcgact ttcccgatcg 240
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gaggcaaggc ccgcgccaaag gccaaagtcg ctcgtgcccg cgctggcctt cagttccccg 360
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ccgtctacat ggctgcggtc ctcgagtatc tgaccgccga gatcctggag ctggcgggca 480
acgcggctcg ggacaacaag aagacgcgca tcatccctcg tcacctccag ctggccatcc 540
gcaacgcagca ggaactgaac aagctgctgg gcaaagtcac catcgcccag ggccggctct 600
tgcctaacat ccaggccgta ctgctcccta agaagacgga gagtaccac aaggcaaaag 660
gcaagtgagg ctgacgtccg cccaagtggc ccagcccgcc ccgcgtctcg aaggggcacc 720
tgtgaactca aaaggtctct ttcagagcca ccacggtttt caaataaaag agttgttaat 780
gctggcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa
816

```

<210> 529

<211> 885

<212> DNA

<213> Homo sapiens

```

<400> 529
ggcagttacc ggtgccgtaa ttcccgggtc ggacccaacgc gctctgtcgt ggcgcggcgtt 60
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atcgtgcgcc gagggccgcg aggggtcgcc gccagatcc caccagccag caagctaaag 180
catggcggcc atccccctcca gcgggtcgtc cgtggccacc cacgactact accggcgccg 240
cctgggttcc acttccagca acagctcctg cagcagtacc gagtgccccg gggaagccat 300
tccccacccc ccaggtctcc ccaaggctga cccgggtcat tgggtgggcca gcttcttttt 360
cggaagtc accctcccgt tcatggccac ggtgttgag tccgcagagc actcggaacc 420
tcccagggcc tccagcagca tgaccgcctg tggcctggct cgggacgcc cgaggaagca 480
gcccggcggg cagtccagca cagccagcgc tgggcccccg tcctgacctg agcggttacc 540
accagcccca ggcctgcgga ggcgctagtc caccagagcc cctycccgcc cctctcccca 600
ctccgcattc ctgcgcccc tccccacctc ccacccccca ccctgtaaac taggcggctg 660
cagcaagcag acctcgcat caacacagca gacacaaaa accagtgaga gcccgcctct 720
ctaccgcccg gccccagcac tcgctagctt tcctgacacc tggaactgtg cacctggcac 780
caagcggaaa ataaactcca agcagccagt agccccgatg gtgtgtgcct gagctgtgtg 840
gcccaggggt ccaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 885

```

<210> 530

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (693)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (695)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (715)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (730)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (741)

<223> n equals a,t,g, or c

<400> 530

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ggtacctgac agtaccggtc ggaattcccc ggtcgaccca cgcgtccgct gctgctctta 60
aaggtacagg cctcagggtc cctgctgtag acggggcggg ggagagtacg atgggtgggg 120

```

```

cgtggtgggt cgtagggcgc tcgagatgga gccccagct tccttgatgg atcgcggggc 180
gcgagtggcc tagacaagcc ggagctggga ccggcaatcg ggcgttgatc cttgtcacct 240
gtcgcagacc ctcatccctc ccgtgggagc cccctttgga cactctatga ccctggaccc 300
tcgggggacc tgaacttgat gcgatgggag gctgtgcagg ctccgcgcgg cgcttttcgg 360
attccgaggg ggaggagacc gtcccgagc cccggctccc tctgttgga catcaggggc 420
cgcattggaa gaacgcgggt ggcttctggc tgctgggcct ttgcaacaac ttctcttatg 480
tggtgatgct gagtgcggcc cagcacatcc ttagccacaa gaggacatcg ggaaaccaga 540
gccatgtgga ccagggccca acgccgatcc cccacaacag ctcatcacga ttgactgca 600
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tgttggstyc tyttggsctt cacctgctgc cctnaccgt tgaggatgct gtgantctct 720
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```

<210> 531

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 531

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cgarccctcg gtggtcctca gggagggtct ctcgccaga acacgtggat gccaccac 120
cactgagcct catggagggt gtaacatttg gcgatgtggc tgtgcacttc tctcggagg 180
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acagcagtggt ggtcggacta gcaggattcc tggttttcaa gctgagctg atctctcggc 300
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caargacctc caagacaggt gaggtctaga tccatcgca gagaagccct ggggtgarga 420
gaaactkcar gaggggctca caactgtrgg tagctgtagg tgartcggg gggctacact 480
kggatgcctg ggaatgctac tnggggaaan cagcatccaa canct 525

```

<210> 532

<211> 1925

<212> DNA

<213> Homo sapiens

<400> 532

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gtggtctgag gccggtacag ctgcgcgtct gcgggaatag gtgcagcggg cccttgccgg 60
gggactctga gggaggagct ggggacggcg accctaggag agttctttgg ggtgactttc 120

```

```

aagatggact ctactctaac agcaagtga atccggcagc gatttataga tttcttcaag 180
aggaacgagc atacgtatgt tcaactcgtc gccaccatcc cattggatga cccactttg 240
ctcttttgcca atgcaggcat gaaccagttt aaaccattt tcctgaacac aattgaccca 300
tctcacccca tggcaaaagct gagcagagct gccaatcccc agaagtgcac cggggctggg 360
ggcaaacata atgacctgga cgatgtgggc aaggatgtct atcatcacac cttcttcgag 420
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attaagaaag gagacaagtt ccatgggata caacctccct cttgttttgt ttgtctctcc 1800
ttttcttttg ttactgttct tgctgctaga acttttttaa ataaactttt tttcaatgtg 1860
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ggggg

```

<210> 533

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c



&lt;400&gt; 533

```

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cgggtccgcaa agcctgagtc ctgtcctttc tctctccccg gacagcatga gcttcaccac 120
tcgctccacc ttctccacca actaccggtc cctgggctct gtccaggcgc ccagctacgg 180
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cgggatatgcc gggggctctg caggaatggg agcatccaga acgagaagga gacctgcaa 360
aagctgaacg accgcctggc ctcttacctg gacaaaatga aggagcctgg agaccgagaa 420
accggagggt ggaaagcaaa aaccggggag cactttggag aagaagganc ccaggtcaga 480
gnectggnagc cattaattca ag

```

502

&lt;210&gt; 534

&lt;211&gt; 1800

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 534

```

tcgaccacag cgtccggccg cgcgcgccac tgccaggcgg ggtccgggcg gcgcgagctg 60
aggtgggtgag ggactagctc ccggtatgtg agaagctggg gagaaggcgt gggagggaaga 120
tgactcgggt ggagaagggg gccgccacct ccgtctccaa cccgcggggg cgaccgtccc 180
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agaacattaa gcacctggcg ggggtcccg tcattggctg ggtcctgcgt gcggccctgg 360
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ccaaacaatt tgggtgcacaa gttcatcgaa gaagtctga agtttcaaaa gacagctcta 480
cctcactaga tgccatcata gaatttctta attatcataa tgaggttgac attgtaggaa 540
atattcaagc tacttctcca tgtttacatc ctactgatct tcaaaaagtt gcagaaatga 600
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gtgaaattca gaaaggagtt cgtgaagtga ccgaacctct gaattttaa cagctaaac 720
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tattaagata tggctatttt ggcaaagaga agcttaagga aataaaactt ttggtttgca 960
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&lt;210&gt; 535

&lt;211&gt; 2497

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2493)
<223> n equals a,t,g, or c

<400> 535
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<210> 536

<211> 4090

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (535)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2475)

<223> n equals a,t,g, or c

<400> 536

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4090

&lt;210&gt; 537

&lt;211&gt; 586

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 537

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586

&lt;210&gt; 538

&lt;211&gt; 1250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 538

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<210> 539

<211> 1350

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1349)

<223> n equals a,t,g, or c

<400> 539

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<210> 540

<211> 2509

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<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 540
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&lt;210&gt; 541

&lt;211&gt; 1743

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 541

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ccc 1743

&lt;210&gt; 542

&lt;211&gt; 2210

&lt;212&gt; DNA



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<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 542
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<210> 543
<211> 1715
<212> DNA
<213> Homo sapiens

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&lt;400&gt; 543

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&lt;210&gt; 544

&lt;211&gt; 3109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1011)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 544

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<210> 545

<211> 1176

<212> DNA

<213> Homo sapiens

<400> 545

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&lt;210&gt; 546

&lt;211&gt; 1735

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 546

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<210> 547

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1043)

<223> n equals a,t,g, or c

<400> 547

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<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

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<223> n equals a,t,g, or c

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&lt;210&gt; 550

&lt;211&gt; 1816

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 550

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&lt;210&gt; 551

&lt;211&gt; 2610

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 551

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2610

&lt;210&gt; 552

&lt;211&gt; 4021

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4000)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 552

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&lt;210&gt; 553

&lt;211&gt; 1780

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 553

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&lt;210&gt; 554

&lt;211&gt; 3713

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3006)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 554

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<210> 555

<211> 1997

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1887)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1980)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1992)

<223> n equals a,t,g, or c

<400> 555

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<210> 556

<211> 906

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (879)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (906)

<223> n equals a,t,g, or c

<400> 556

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<210> 557

<211> 3484

<212> DNA

<213> Homo sapiens

<400> 557

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aagt 3484
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&lt;210&gt; 558

&lt;211&gt; 790

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (788)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 558

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<210> 559

<211> 558

<212> DNA

<213> Homo sapiens

<400> 559

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<211> 534

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<400> 560

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<211> 3043

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<213> Homo sapiens

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<210> 562

<211> 1386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<400> 562

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1386

<210> 563

<211> 2638

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&lt;213&gt; Homo sapiens

&lt;400&gt; 563

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&lt;211&gt; 691

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<210> 565  
<211> 1967  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 565

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&lt;210&gt; 566

&lt;211&gt; 1334

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1307)

&lt;223&gt; n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

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 <213> Homo sapiens

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<210> 568

<211> 1412

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1018)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1037)

<223> n equals a,t,g, or c

<400> 568

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1412

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<210> 569

<211> 1125.

<212> DNA

<213> Homo sapiens

<400> 569

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gccatggcta gtcagtctca ggggattcag cagctgctgc aggccgagaa gcgggcagcc 180
gagaaggtgt ccgaggcccg caaaagaaag aaccggaggc tgaagcaggc caaagaagaa 240
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1125

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<210> 570

<211> 1916

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1899)

<223> n equals a,t,g, or c

<400> 570

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aactgattta aagttraaaa aaaaaaaaaa aaaaactcng rgggggcgct atagtgt 1916

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&lt;210&gt; 571

&lt;211&gt; 1253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1205)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1207)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1212)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 571

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cgcgtccgcc cagcgtccg cccacgcgtc cgcccacgcg tccgetcagg aggcgggagg 60
aggacccgga atgaagacga aggcgctcac cattaaatcg tacggctcgc actgccccct 120
gcccgcagtc cagcgtcttc aaccgtttct gcggcagctc tggaggccgc ggttttggct 180

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ttcctgttta tcacttcccg gtccatcatt ttggcatttc ggtgatcggg ttggaactat 360
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&lt;210&gt; 572

&lt;211&gt; 2013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 572

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2013

```

<210> 573

<211> 669

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (631)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 573

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669

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<210> 574

<211> 2432

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2367)
<223> n equals a,t,g, or c

<400> 574
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<210> 575

<211> 1372

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1370)

<223> n equals a,t,g, or c

<400> 575

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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3161

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3067

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&lt;211&gt; 1574

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 581

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&lt;210&gt; 582

&lt;211&gt; 960

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (924)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (937)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (939)

&lt;223&gt; n equals a,t,g, or c

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 <212> DNA  
 <213> Homo sapiens

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 <222> (1437)  
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<220>  
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<211> 2608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 585

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<210> 586

<211> 1893

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1865)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1883)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1887)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1893)

<223> n equals a,t,g, or c

<400> 586

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1893

&lt;210&gt; 587

&lt;211&gt; 2463

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2413)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 587

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<211> 1945

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature

<222> (1939)

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<220>

<221> misc feature

<222> (1945)

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&lt;400&gt; 588

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&lt;210&gt; 589

&lt;211&gt; 816

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 589

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<211> 2307

<212> DNA

<213> Homo sapiens

<400> 590

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<212> DNA

<213> Homo sapiens

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<222> (2452)

<223> n equals a,t,g, or c

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<210> 594

<211> 1904

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature

<222> (1903)

<223> n equals a,t,g, or c

<400> 594

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&lt;210&gt; 595

&lt;211&gt; 337

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 595

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&lt;210&gt; 596

&lt;211&gt; 1288

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1283)

&lt;223&gt; n equals a,t,g, or c.

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1285)

&lt;223&gt; n equals a,t,g, or c.

&lt;220&gt;



<221> misc feature

<222> (1287)

<223> n equals a,t,g, or c

<400> 596

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gataaagcaa agctaactgt gtgttttagaa ggcactgtaa ctggtagcta gttcttgatt 720
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1288

<210> 597

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

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<400> 597

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accccaataa aggaagattg tggatcaaat aagacctgat aggcaaactc taatgtggag 180
tgcgacttgg ccaaaaagaag taagacagct tgctgaagat ttcctgaaag actatatcca 240
tataaacatt ggtgcacttg aactgagtgc aaaccacaac attcttcaga ttgtggatgt 300
gtgtcatgac gtagaaaagg atgaaaaact tattcgtcta atggaagaga tcatgagtga 360
gaaggagaat aaaaccattg tttttgtgga aaccaaaaga agatgtgatg agcttaccag 420
aaaaatgagg agagatgggt ggcctgccat gggatatccat ggtgacaaga gtcaacaaga 480
gcgtgactgg gttctaaatg aattcaaaca tggaaaagct cctattctga ttgctacaga 540
tgtggcctcc agagggctag atgtggaaga tgtgaaattt gtcatcaatt atgactaccc 600
taactcctca gaggattata ttcatcgaat tggaagaact gctcgagta ccaaaacagg 660
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gcttcgtgaa gctaatacaag caattaatcc cmagttgctt cagttggtcg aagacagagg 780
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tagcctgctt aaaagagatt ttggggcaaa aactcanaat ggnggttaca gtgcttgcaa 960
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<210> 598

<211> 2093

<212> DNA

<213> Homo sapiens

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<222> (969)

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<221> misc feature

<222> (1422)

<223> n equals a,t,g, or c

<220>  
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<220>  
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 gcacccatgc acacacctac gcacacacaa cactccgcac tgcagtatat tcttgccaaa 180  
 gatttcccttt aaaagcaagc acttttacta attattattt tgtaaatgtt tatcttcttc 240  
 tgtcttctcc ctccctgaat ctattttact gttgtttatt gttgaatctg tgtgtcagcc 300  
 aggagagcgc tgtctggcct tgaacatggg ctgggatggg aaagggtctg ggagaagatg 360  
 ggcaacaaa agccaggagg tcatggacat cgcagcgacg cagacccag caggttcagt 420  
 cccgtgctgc caccagctgt ccagctgggt gtctggaggg aagagggcag aggaggggca 480  
 tgtcccttca gctgggggag gggcccagtg agctccacgt ggctttttcc caaagggagc 540  
 aagagggaag gattgggcga gaaaacaatg gagaggggac ctgcgaagga aaacagggag 600  
 gaagtgagcg gtttgatcag cctgtctatca cgggtgttctg gctctcttat ttagccaggc 660  
 gcttaaggga cagatacatc acatcctaag tttgggaaag gcctttgacc catgtcatct 720  
 gagcgtctcc tccagtagct ctgaaagctg tggacaccaa tggccaggat tccttctccc 780  
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 aatcctgccc ccacactcgg ggtcctccaa gaggttgggg ggcagagtc cagagcagcc 1200  
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 taaagaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 2093

<210> 599  
 <211> 562  
 <212> DNA

<213> Homo sapiens

<220>

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<222> (561)

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cgaggtctca ctatgcccgag gttggtctca aactcctgtg ctcaagcaat cctcccatct 180

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tggtcccta agtgctggga ttataggcat gagccaccgt gcccgccctc atgtctgcat 240
gttaaaagtt ctgagaattc ctatggaaaa taaatttgac tttgcttaat gcagttcctc 300
taaaacttact taattccttt ttcttttttt ctttactatt tattaattnt tctcttttct 360
cagaccttgc agggatgaaa ggnccccttt tctcaaaacc ctcttatgat ctctacactc 420
tgcaagggtct tctgaangac agcangctga gaaaggccga tcctaacact tanctctttg 480
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gcccgttant aaaaaaaaaa nn
562

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<210> 600

<211> 528

<212> DNA

<213> Homo sapiens

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<222> (2)

<223> n equals a,t,g, or c

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<222> (9)

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<222> (444)

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<222> (458)

<223> n equals a,t,g, or c

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ctggagtgca gtggtgtgat ctgggtcac tgcaacctct gcctcccagg ttccagcaat 180
tctcctgcct cagcctccct agtggctggg atgacaggcg cctgccatca tgcctgacta 240
gtttttgtat ttttagtaga gacggcggtt caccatgttg gccaggctgg tctcaaactc 300
ctgacctcag gtgatccgcc tacctcagcc tcccaaagtg ctgggattac aggcgtgatc 360
caccacacct ggcccttgca atcttctact ttaaggtttg cagagataaa ccaatanatc 420
cacaccgtac atctgcaata tganttcaag aaaggaanta gtaccttcaa tacttaaaaa 480
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<210> 601

<211> 475

<212> DNA

<213> Homo sapiens

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<222> (160)

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<222> (172)

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<222> (174)

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<220>  
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<223> n equals a,t,g, or c

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ctgccattaa ggggtgtgggc cgaanatatg ctcatgtggn gttgaggaaa gnanacattg 180  
acctnaccaa nagggcggn gaactcactg angatgangt ggaacgtgtg atcaccatta 240  
tgcagaatch acgccagtac aagatcccag actgggttctt gaacagacag aatgatngta 300  
angatnaatc tacttcaagc taacatgcta tcatttctac nttgagtact gctaagggtt 360  
ctttccacaa cttgtacaca atgttattna ctgcccagtt tataatttcc ctnttggttc 420  
ccattttaag acttatttaa ttantatgcn ttttaaattt ttgagacntg ataga 475

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<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c



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<400> 602
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ggaattaacc cgagcaggca tggaggcctc tgctctcacc tcatcagcag tgaccagtgt 180
ggccaaagtg gtcagggtgg cctctggctc tgccgtagtt ttgcccttg ccaggattgc 240
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<210> 603
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
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<222> (408)
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<220>
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<222> (416)
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<222> (425)
<223> n equals a,t,g, or c

<400> 603
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gacttggtgt gggactgctg ataggaagat gtcttcagga aatgctaaaa ttgggcaccc 120
tgcccccaac ttcaaaagcca cagctgttat gccagatggt cagtttaaag atatcagcct 180
gtctgactac aaaaggaaaa tatgttgtgt tcttcttcta cctctctgac ttcacctttg 240
tgtgccccac ggagatcatt gctttcagt atagggcaga agaatttaag aaactcaact 300
gccaagtgat tgggtgctct gtggattctc acttctgtca tctagcatgg gtcaatacac 360
ctaanaaaca aggaggactg ggacccatga acattccttt ggtatcanac ccaacncaca 420
nttgntcagg at      432

<210> 604
<211> 371
<212> DNA
<213> Homo sapiens

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<400> 604  
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agagaagagt tggttaaaaa ccttggtacc atagccaaat ctgggacaag cgagttttta 120  
aacaaaaatga ctgaagcaca ggaagatggc cagtcaactt ctgatttgat tggccagttt 180  
ggtgtcgggtt tctattccgc cttccttgta gcagataagg ttattgtcac ttcaaaacac 240  
aacaacgata cccagcacat ctgggagtct gactccaatg anttttctgt naattgctga 300  
cccaagaggg aaacactcta ggacggggga acgacaattt acgtggagta tggaccaatt 360  
tccttattaa g 371

<210> 605  
<211> 392  
<212> DNA  
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<220>  
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<220>  
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<220>  
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<222> (331)  
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<220>  
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<222> (342)  
<223> n equals a,t,g, or c

<220>

<221> misc feature  
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<400> 605  
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 ggattcggat gaaaactggg aaataaaatc aggtacaact ccaaaaggag acattggaga 180  
 agaaccaagc tgggtctatg aaggaattgc acatgagatg gcacacatat ttatgctgtc 240  
 tggaaggtgc acgatccatg ttaccatatg caagctggaa aatgtgcacc antatctggg 300  
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 ggntccatta aattaaatta ggtaaaggcc cc 392

<210> 606  
 <211> 442  
 <212> DNA  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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<220>  
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 <222> (368)  
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<400> 606  
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 acgccacggc ccccacccgg ggctccgcgc gcgccgcggg ctacgacctg tacagtgcct 180  
 atgattacac aataccacct atggagaaag ctgtttgtgaa aacggacatt cagatagcgc 240  
 tccctctctg gtgtnatgga agagtggctc cacggtcagg cttggctgca aaacacttta 300  
 ttgatgtagg antgggtgca tagatgaaga ttataagagg aatgttggtg ttgtactgtt 360  
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 acggattttt tatccagaaa ta 442

<210> 607  
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<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<400> 607

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tcantataag anatattgga aagacgctcg tcaccaggac ccaaggaacc aaaattgcat 180  
ct 182

<210> 608

<211> 673

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

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<222> (2)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (561)

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<220>

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<222> (603)

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<222> (604)

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<223> n equals a,t,g, or c

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<220>
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<220>
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<222> (652)
<223> n equals a,t,g, or c

<400> 608
nncaaaatta accccctaataaaaattaatt aaccactcac tcatcgacct ccccaaccca 60
tccaacatct ccgcatgatg aaacttcggc tactccttg gcgcctgcct gatcctccaa 120
atcaccacag gactattcct agccatgcac tactcaccag acgcctcaac cgccttttca 180
tcaatcgccc acatcactcg agacgtaaat tatggctgaa tcatccgctg ccttcacgcc 240
aatggcgccct caatattctt tatctgcctc ttcctacaca tcggggcgagg cctatattac 300
ggatcatttc tctactcaga aaactgaaac atcggcatta tcctcctgct tgcaactata 360
gcaacagcct tcataggcta tgcctcccg tgaggccaaa tatcattctg agggggccaca 420
gtaattacaa acttactatc cgccatccca tacattggga cagacctagt tcaatgaatc 480
tgaggaggct actcagtaga cagtcaccac ctcacacgat tctttacctt tcaacttcac 540
ttgcccttca ttattggcag ncctacagna ctcacctcta ttttttgcgg aaacgggggat 600
canncaaccc ccttagggaa tcacctnccn tttccgataa aaatcaacct tncacccttt 660
actacacaat cat 673

<210> 609
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

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<220>  
<221> misc feature  
<222> (536)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (545)  
<223> n equals a,t,g, or c

<400> 609  
gcggacgcgt gggttttaat acaaagtta tttatagttt acaatgaatg cactgcataa 60  
aaacttttgg acgacaatgg gaacattgct gaagaactga gcattctcaa atggaacaca 120  
gacagtgtag aagaattcct gagtgaaaag ttggaacgca tataaatctt gcttaaattt 180  
tgtcctatcc ttttgttacc ttatcaaatg aaatattaca gcacctagaa aataatttag 240  
ttttgcttgc ttccattgat cagtctttta cttgaggcat taaatatcta attaaatcgt 300  
gaaatggcag tatagtcctat gatatctaag gagttggcaa gcttaacaaa acccattttt 360  
tataaatgtc catcctnctg catttggtga taccactaac aaaatgcttt gtaacagact 420  
tgcggttaat tatgcaaatg atagtttgng ataattgggg ccaagtttta cgaacaacag 480  
atttctaaat tagaganggt taccaggaca gatgatacta tgcctaaggg ctgggngccc 540  
ttttnaagga aga 553

<210> 610  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (456)  
<223> n equals a,t,g, or c

<400> 610  
accacgcgt ccggctnncc gatgagacca atatatgcaa tggtaagcca gtagatggac 60  
tgactacttt gcgcaatggg acattagtgt cattccgagg tcattatttc tggatgctaa 120  
gtccattcag tccaccatct ccagctcgca gaattactga agttttgggg aatcctttcc 180  
cccattgata ctgttttact aagggggaatt tttcnagaaa aggtngcagc attcagcagt 240

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atatttataa acaggaacct gtacagaagt gcccttgga naaggcctgc tctaaaatta 300
tccagtggta tngngnaacg acacagggtta agagacgtcg cttnaacgtg ctaaaaggac 360
ctttccaana cacaccatca gaatccataa tcacctgcca aatgggggtat cnagaccaag 420
gggcctccan aaggagttaa gnggttaccg tggggngg 458

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<210> 611

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<400> 611

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aagcnganac caaccctcac taaagggaac aaaagctgga gctccaccgc ggtgcggccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgaggttgc agtgagccga 120
gatcgcacca ttgcactcca gtctgggcaa cagagtgaga ttccgtctca aaaaaaaaaa 180
gaaaaggaaa aaaaaatagc attatacctc ttccctgtct caaccgccat gaaaattctg 240
aacactccaa attcagttga ataatccaaa acaaaattta taagtataaa ataattttac 300
ttcttatagt aatagtatac tttaaaaagc ctcagggtat attatcttct aaacagctac 360
aattcagtcg agctacatta accaactatg ttctctagtt gaggaacaac taggcctatt 420
tcaactgtgt gtagcctcag tgcctaacat gggtgccaaa taaatattnng nggattacac 480
tgaattgtaa aaaccattcg tttttgttta caattgccaa aaatctcaaa aggnccctgta 540
tttatgtaat tctttgaaat tatta 565

```

<210> 612

<211> 442

<212> DNA

<213> Homo sapiens



<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (440)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<400> 612  
gaccagggtt gctccgtccg tgctccgcct cgccatgact tcctacagct atcgccagtc 60  
gtcggccacg tcgtccttcg gaggcctggg cggcggtcc gtgcgtattg ggccgggggt 120  
cgcttttcgc gcgccagca ttcacggggg ctccggcggc cgcggcgat ccgtgtcctc 180  
cgcccgcttt gtgtcctcgt cctcctcggg gggtacggc ggcggtang gcggcgctcct 240  
gaccgcgtcc gangggctgc tggcgggcaa cgagaagcta accatgcaga actnaangac 300  
cgcttggtt ctactggana agttcgcncc tgnaggggca aagggaacta aaagttaaata 360  
ccgcnattgt acaaaacagg gcttggcctt cccggataaa gcattataaa gancntcagg 420  
aattggggaa aaatttttgn nc 442

<210> 613  
<211> 306  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>

<221> misc feature  
 <222> (190)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (192)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (199)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (213)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (237)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (272)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (299)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (302)  
 <223> n equals a,t,g, or c

<400> 613  
 ggcanaggag aactccagga ttgtcctgca gatcgacaac gcccgtttgg ctgcagatga 60  
 cttccgaacc aagtttgaga cggaacaggc tctgcgcatg ancgtaggagg ccgacatcaa 120  
 cggcctgcnc aggtgctgga tgagctgacc ctggcccaga accgaccttg gngatgcagt 180  
 tcgangcctn angaagagnt ggcctaccta agnaggaccc tgagggggaa tcaattncgt 240  
 taaggggccca atgggaggcc attaatTTTg anttgggtcc ttccggacct tttggccant 300  
 cntggt 306

<210> 614  
 <211> 555  
 <212> DNA  
 <213> Homo sapiens

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (497)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (543)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (545)  
<223> n equals a,t,g, or c

<400> 614  
ggcgactaca gccactacta cagcaccatc caggacctgc gggacaagat tcttggtgcc 60  
accattgaga actccaggat tgtcctgcag atcgacaatg cccgtctggc tgcagatgac 120  
ttccgaacca agtttgagac ggaacaggct ctgcgcata gcgaggaggc cgacatcaac 180  
ggcctgcgca ggggtgctgga tgagctgacc ctggccagga cgcacctgga gatgcagatc 240  
gaaggcctga aggaagagct ggcctacctg aagaagaacc atgaggagga aatcagtacg 300  
cttagggggcc aagtgggagg ccaggtcagt gtggaggtgg attccgctcc gggcaccgat 360  
ctcgccaaga tcctgagtga catgcgaagc cnatatgagg tcatggccna gcagaaccgg 420  
aaggatgctt aancctggtc accagcccgg actgaagaat tgaacccgga ggtcgcttgc 480  
cacacggagc aacttcngat gagcaggtcc aaggttactg acctgcggcg caacccttaa 540  
ggnctgtaga atgaa 555

<210> 615  
<211> 575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<400> 615
tganagaaat taaccctcac taaaggggnac aaaagctgga gctccaccgc ggtgcnccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgaggctaa ggctgcgttg 120
gggtgaggcc ctcaattcat ccggcgacta gcaccgcgtc cggcagcgcc agncctacac 180
tcgcccgcgc catggcctct gtctccgagc tcgocctgcat ctactcggcc ctcaattctgc 240
acgacgatga ggtgacagtc acggaggata agatcaatgc cctcattaaa gcagccgggtg 300
taaatgttga gccttttttg cctggcttgt ttgcaaaggc cctggccaac gtcaacattg 360
ggagcctcat ctgcaatgta ggggccgggtg gacctgctcc agcagctggt gctgcaacca 420
gcaggagggtc ctgccccctc cactgctgct gctccagctg aggagaagaa agtggaaagca 480
aagaaagaag aatccgagga gtctgatgat gacatgggct ttggtctttt tgactaaacc 540
tcttttataa catgttcaat aaaaagctga acttt
                                                                    575

<210> 616
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<400> 616
ctcgtgccga attcggcacg agccgccgcc tccgccgcag acgccgccgc gatgcgctac 60
gtcgctcctt acctgctggc tgccctaggg ggcaactcct cccccagcgc caaggggnatc 120
aagaagatct tggacaacnt gggatatcgag gcggacgacg accgggtcaa caaggttatc 180
agtgaactga atggaaaaaa cattgaagac gtcattgccc agggatttgg caagcttgcc 240
agtgtacctg ctgggtggggc tgtagccgtc tctgctgccc caggetctgc agccctgct 300
gctgggtctg cccctgctgc agcagaggag aagaaagatg agaaga
                                                                    346

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<210> 617  
<211> 409  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<400> 617  
gggcagggt gagccagcga cgccctccat tcactctcog cgcccgttct ccggctgtcc 60  
tcccgttccg ctgcccgcgc tgccaccatg acggaacagg ccatctcctt cgccaaagac 120  
ttcttggccg gaggcattcg cgccgccatc tccaagacgg ccgtggctcc gatcgagcgg 180  
gtcaagctgc tgctgcaggt ccagcacgcc agcaagcaga tcgccgccga caagcagtac 240  
aagggcatcg tggactgcat tgtccgcac cccaaggagc agggcgctgt gtccttctgg 300  
aggggcaacc ttgccaacgt cattogctac ttcccactc aagccctcaa cttcgncttc 360  
aagataagt acaagcagan cttcctgnng gccgtgnaca agcacacnc 409

<210> 618  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>

<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

<222> (368)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> misc feature  
 <222> (416)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> misc feature  
 <222> (436)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> misc feature  
 <222> (442)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> misc feature  
 <222> (446)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> misc feature  
 <222> (470)  
 <223> n equals a,t,g, or c  
  
 <400> 618  
 ggc anagcnc aaagacaggc ttttnagatt ggatctccgt ggcgtactat ggatgctccc 60  
 gagagggggc gactattata caagttggca agttgatcaa agaagctgcc gggaaaagca 120  
 atctgaagag ggtgaccctg gagcttggag gaaagagccc ttgcattgtg ttagctgatg 180  
 ccgacttgga caatgctgtt gaatttgac accatggggg attctaccac cagggccagt 240  
 nttgtatagc cgc atncagg atttttgtgg aagaatcaat ttatgatgag ttgttcgaa 300  
 ggagtgttga gcgggttaag antatatcct tgggaantcc tttgacccca gnagttcann 360  
 caagncntc agattgacaa ggaccatttg gtaataactt gacccattg agagtnggaa 420  
 gaaagaaggg gcc aantgga tntggnggag gccctggggg ataaagg tan ttg 473  
  
 <210> 619  
 <211> 604  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> misc feature  
 <222> (371)



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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<400> 619
cgacnttccc ctactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag gtggtccccc tggcagggac 120
aaatggcgag actaccaccc aagggttgga tgggctgtct gagcgctgtg ccagttacaa 180
gaaggacgga gctgacttcg ccaagtggcg ttgtgtgctg aagattgggg aacacacccc 240
ctcagccctc gccatcatgg aaaaatgccaa tgttctggcc cgttatgcc a gtatctgcc 300
gcagaatggc attgtgcccc tcgtggagcc tgagatcctc cctgatgggg accatgactt 360
gaagcgcttg ncagtatgtg accgaaaagg tgcttggtt gctgctacaa ggctcttgag 420
tgaccaccac atctacctgn aaggcacctt gctgaagccc aacatggtcc ccagggccat 480

```

```

gcttgcactc anaagttttn ttatgaagga gattgcccac ggccaacccg tctcaancgc 540
tgtgcccgcg caantgcccc ccgcttgtc acttgggatc aacnttncct gtnttggaag 600
gccca
604

```

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<210> 620
<211> 312
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

```

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<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

```

```

<400> 620
gngccaacag ccttgccctgt caaggaaagt acactccgag nggtcaggct ggggctgctg 60
ccagcgagtc cctcttcgtc tctaaccacg cctattaagc ggaggtgttc ccaggctgcc 120
cccaacactc caggccctgc cccctccac tcttgaagag gaggcgcct cctcggggct 180
ccaggctggc ttgccgcgc tctttcttc ctcgtgacag tggtgtgtgg tgcgtctgt 240
gaatgctaag tccatcaccc tttccggcac actgccaaat aaacagctat ttaaggggga 300
aaaaaanann nn
312

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<210> 621  
<211> 248  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
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ggttgacaga aacacactgg ggaatggagc aaaacagtct ttgaatatcg aacacgcaag 120  
gctgtgagac tacctattgt ngatattgca ccctatgaca ttgggtggcc tgatcaagaa 180  
tttggtgtgg acntnggncc tgtttgnttt ttataaacca aactctatct gaaatcccaa 240  
caaaanaa 248

<210> 622  
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gtatgggaaa tgccatgttt gtcaaagagc aactcagtcct gctggacagg ttcacggagg 120
atgccaaagag gctgtatggc tccgaggcct ttgccactga ctttcaggac tcagctgcag 180
ctaagaagct catcaacgac tacgtgaaga atggaactcg agggactata acctgaacga 240
catacttctc cagctgaagt acacaggcaa tgnccagcgna ctnttcaccc tgcctgntca 300
ngncaagatn gnggaagtgg aagccatgtt ggttttcaga gncc 344

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cggctgaag ggtctggctg gtgagccagg ttttaaaggc agccgagggg accctggggc 120
cccaggacca cctcctgtca tcctgccagg aatgaaagac attaaaggag agaaaggaga 180
tgaaggggcct atggggctga aaggatacct gggcgcaaaa ggtatccaag gaatgccagg 240
catcccangg ctgtcaggaa tccctgggct gcctggggagg cccggncaca tcanaggaat 300
caaggganac atngga 316

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<222> (429)  
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<400> 624  
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catgggtgaag gttggcggt acatccttgg ggagtttggg aaacctgaat tntggggacc 180  
cccgntncca gcccccaggt ggcagttctc cctgctccac tncaagttcc atctgtgaca 240  
ngtggccagg ggnegctgct gctgtnccac ctgacatcaa gttcatcaac ctctttcccc 300  
gagaccaagg ncaccatcca gggggtncgt nggggtcggg tttccagttg cgcaatgttg 360  
acgtggagtt gcagcaggag ncntggagta acttcacctt cagttcatgg gtcagcaaca 420  
agttcnggnc aggtgttnga ggagt 445

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 <223> n equals a,t,g, or c

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 tctgctcccg tgactgaact ctgatcttga tagagagtcc cggccatggc agccaaagga 180  
 ggcaccgtca aagctgcttc agcattcaat gccactgaag atgccagac cctgaggaag 240  
 gccatgaagg ggcttggcac cgacgaagat gccatcatca gcgtcctcgc ctaccgcaac 300  
 acagcccagc gccaggaaat caggacggcc ttacaagagc accattcggc aggggacctt 360  
 gtgttaagga acggaccccn tttgtttnn gantgngtg a 401

<210> 626  
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<223> n equals a,t,g, or c

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gctggcacct gggccccccc gggagctggt gctggtggtc cangtgcata accggccccga 120
atacctcana ctgctgctgg actcacttcg aaaagcccag ggnaattgac aacgtcctcg 180
tcattcttag ccattgacttc tggtcgaccg agatcaatca gctgatcgcc ggggtgaatn 240
tctgtccggt tctgcangtg ttctttcctt tcagcattca gttgttcctt aacgantttc 300
cangttantg accta
315

<210> 627

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<211> 412  
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<223> n equals a,t,g, or c

<400> 627  
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aagtgggatc gagacatgta agcagcatca tggaggtttg aagatgccgc atttggattg 120  
gatgaattcc aaattctgct tgcttgcttt ttaatatgta tatgcttata cacttacact 180  
ttatgcacaa aatgtagggt tataataatg ntaacatgga catgatcttc ttataattc 240  
tactttgagt gctgtctcca tgtttgatgt atctgagcag gntgctccac aggtagctct 300  
agcagggctg gcaacttann aggtggngag cagagaattc tcttatccaa catcaacatc 360  
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<210> 628  
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<212> DNA  
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 cactggccgt cggttttaca cgctgtgact gggaaaaccc tggcgttacc caacttaatc 180  
 gccttgtagc acatccccct ttcgccagct ggcgtaatag cgaagaggcc cgcaccgac 240  
 gcccttccca acagttgcgc agcctgaatg gcaaatggga cgcgccctgt agcggcgcat 300  
 taagcgcggc ggggtgtggtg gttacgcgca gcgtgaccgc tacacttgcc agcggccctac 360  
 gcccggtcct ttcggtttctt cccttccttt ctgcgccagct tcgccggntt tccccgtnaa 420  
 gctntaaatn gggggctncc tttaggttc cgattaangn tttagggac cttngaccca 480  
 aaaacttgat taggggtgat gttacntaat gggccatngc ctgataaacg gttttgccct 540  
 ttgannttgg agtcccgttn ttaaaaggga ctttggt 577

<210> 629  
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 <212> DNA  
 <213> Homo sapiens

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cgctcgtgact gggaaaaccc tggcgntacc caacttaatc gccttgacgc acatccccct 180  
ttcgccagct ggcagtaata gcgaagagcc ccgcaccgat cgcccttccc aacagttgcg 240  
cagcctgaat ggcgaatggg acgcgccttg tagcggcgca ttaagcgcgg cgggtgtggt 300  
ggttacgcgc agcgtgaccg ctacacttgc cagcgcccta gcgnccgctc ctttcgcttt 360  
cttcccttcc ttctcgcga cgttcgcgg ntttcccgct caagctctaa atcnggggct 420  
ccctttangt ttccgatnta gtgctgtacg gcacctngac cccaaaaaac ttgattaggg 480  
tgatggttca cgtngtggn c atcgccctga tagacggnnt ttgcgccctt gacgttgagg 540  
nccacgttct taatagtga ctctttggtc caaacnggan caacantgaa cccctatctc 600  
ggncatattct ttgattttat nagggatttt gncgatttca ggncatattg ntaaaaaatg 660  
gatcttgntt ttaacaaaaa atttaaaccg cggaatttta agc 703

<210> 630  
<211> 638  
<212> DNA  
<213> Homo sapiens

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tatagggtca cctaaattca attcactggc cgcgtttta caacgtcgtg actgggaaaa 180  
ccctggcgtt acccaactta atcgccctgc agnacatccc cntttcgcca gctggcgtaa 240  
tagcnaaaag gcccgaccg atcgcccttc ccaacagttg cgcagcctga atggcaaatg 300  
ggacncccc tgtanccgng cattaanenc ggcggtgtg gnggttacc ncancngac 360  
cgctacactt gccagncccc tagcgccgc tctttcgtt ttcttccctt cctttntcgc 420  
cacgttcgcc ggttttcccc gtcaagctnt aaatcggggg ctccctttag ggttccgatt 480  
aagngcttta cgggaccctn gnccccaaaa aaacttgatt aggggngatg gntcacngta 540  
aaggggccat tgcccttgat aaaacgggtn tttngccctt ttgaccttgg aantccccgt 600  
ttctttaaaa aangggacct ttggttcna actgggaa 638

<210> 631  
<211> 187  
<212> DNA  
<213> Homo sapiens

<400> 631  
ctaagttcta gatcgcgagc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc 60  
gacgtcatag ctcttctata gtgtcaccta aattcaattc actggccgtc gttttacaac 120  
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<210> 632  
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<212> DNA  
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<221> misc feature
<222> (23)
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cccgggtcga cccacgcgtc cgactagtgc tagatcgga gcggccgctc tagaggatcc 120
aagctttacgt acgcgtgcat gcgacgtcat agctcttcta tagtgtcacc taaattcaat 180
tcactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat 240
cgcccttgca caccatcccc ttccgccagc tggcgtaata gcgaagaggc ccgcaccgat 300
cgccc                                     305

<210> 633
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<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<222> (178)  
<223> n equals a,t,g, or c

<220>  
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<222> (180)  
<223> n equals a,t,g, or c

<220>  
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<222> (181)  
<223> n equals a,t,g, or c

<400> 633  
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cgctgcagg taccggtccg gaattcccgg gtcgaccac gcgtccgaaa aaaaaaaaaa 120  
aaaaaaaaaa aaaaaaaaaa ggngggacga tctagaggat ccaaagctta cgtaçncntn 180  
natgcaa 187

<210> 634  
<211> 243  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (11)  
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<222> (23)  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
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<222> (205)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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caggtaccgg tccggaattc ccgggtngac ccacgcgtcc gtggaaatct gtcctccana 120  
atccaggcca naaagttcac agtcaaattg ggagggggtat tcttnatgca ggagacccca 180  
ggccctggag gctgcnacat acctnaatcc tgtcccangc cggatcctnc tgaagccctt 240

ttt

243

&lt;210&gt; 635

&lt;211&gt; 180

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 635

cccacgcgtc cggaatggtt tagcgccagg ttccccacga acgtgcggtg cgtgacgggc 60  
gagggggcgg ccgctctaga ggatccaagc ttacgtacgc gtgcatgcga cgtcatagct 120  
cttctatagt gtcacctaaa ttcaattcac tggccgctcg tttacaacgt cgtgactggg 180

&lt;210&gt; 636

&lt;211&gt; 747

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (497)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (507)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (639)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (657)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (747)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 636

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atnnanagac ctccatttgg attacgctgg tacgcctgca ggtaccggtc cggaattccc 60
gggtcgaccc acgcgtccgc tagttctaga tcgcgagcgg ccgctctaga ggatccaagc 120
ttacgtacgc gtgcatgcga cgtcatagct cttctatagt gtcacctaaa ttcaattcac 180
tggcgcgtcg tttacaacgt cgtgactggg aaaaccctgg cgttacccaa cttaatcgcc 240
ttgcagcaca tcccccttcc gccagctggc gtaatagcga agaggcccgcc accgatcgcc 300
cttcccaaca gttgcgcagc ctgaatggcg aatgggacgc gcctgtagc ggcgcatata 360
gcgcggcggg tgtggtggtt acgcgcagcg tgaccgctac acttgccagc gccctagcgc 420
ccgctccctt cgctttcttc ccttcctttc tcgccacgtt cgcgcgcttt ccccgctcaag 480
ctctaaatcg ggggctncct ttagggntcc gatttaagtg ctttacggac ctcgacccca 540
aaaaacttga ttagggatga gggtcacgta gtgggccatc gcctgataga cggttttcgc 600
ctttgacgtt ggagtcacgt cttaataggg actcttgtnc aaactggaac aacactnaac 660
ctatttggct atcttttgat tataaggatt tgccgattcg gcattggtaa aaatgagtgt 720
tacaaaatta cgcgattaca aaaatan

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747

&lt;210&gt; 637

&lt;211&gt; 497

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (415)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (445)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (446)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (497)  
<223> n equals a,t,g, or c

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acgtcatagc tcttctatag tgtcacctaa attcaattca ctggcgcgctg ttttacaacg 120  
tcgtgactgg gaaaaccctg gcggtaccca acttaatcgc cttgcagcac atcccccttt 180  
cgccagctgg cgtaatagcg aagaggcccg caccgatcgc ctttcccaac agttgcgcag 240  
cctgaatggc gaatgggacg cgccctgtag cggcgcatta agcgcggcggt gtgtgggtggt 300  
tacgcgcagc gtgaccgcta cacttgccaa gcgccctaag cgcccggttcc ttctcgcttcc 360  
ttcctttctt ttttngccac gttcggccgg cttttccccc taaagcttta aatcnggggg 420  
gttcccttaa ggggttccga ttaannggtt ttacgggaac ttngacccca aaaaaacttg 480  
attagggggg aagggttn 497

<210> 638  
<211> 509  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c



<220>  
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<220>  
 <221> misc feature  
 <222> (461)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (463)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (492)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (496)  
 <223> n equals a,t,g, or c

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 gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcggttttaca 120  
 acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgcccttgag caccatcccc 180  
 ttctgccagc tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgag 240  
 cagcctgaat ggcgaaatggg acgcgccctg tagcggcgca ttaagcgagg cggtgtggt 300  
 gggttacgcgc agcgtgaccg ntacacttgc cagcgcccta gcgcccgntc ctttcgcttt 360  
 cttccttctt tctcggcacg gtcgncgggc tttncccgnc aagctntaaa tcgggggggct 420  
 tccttttagg gggtccgaat taagggtttt accgggaacc ntngaacccc caaaaaactt 480  
 tgaattaggg tngaanggt tcacggtaa 509

<210> 639  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (214)  
 <223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
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<222> (375)  
<223> n equals a,t,g, or c

<220>  
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<222> (384)  
<223> n equals a,t,g, or c

<220>

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<221> misc feature
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<220>
<221> misc feature
<222> (430)
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<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

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gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggcg tcggtttaca 120
acgtcggtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgtag cacatcccc 180
tttcgccagc tggcataata gcgaagaggc ccgnaccgat cgcccttccc aacagttgag 240
cagcctgaat ggcgaatggg acncgccctg tagcggcgca ttaagcgagg cgggtgtngt 300
gggttacgagc agcgtgaccg ctacacttgc agcnccttag cgcccgctcc tttcnnnttn 360
ttnccttcct ttntngcacg tttnacggct ttcccgtaa gctctanac gggggctcct 420
ttagggttctn atttaattgt tacggacctt tanccaaaaa acttgatatg gttatgggta 480
ntgtnttgng ccattgcctt atttccc 507

<210> 640
<211> 496
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
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<220>

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<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
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<220>  
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<222> (240)  
<223> n equals a,t,g, or c

<220>  
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<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature

<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (354)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (393)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<222> (441)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (463)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<400> 640

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cctcaagggtt aaaccctcgg aatacgatag gaaaatgtaa aggccaagat ccaggataag 120  
gaaggnattc ctccctgaatn cagcagagaa ctgaatcttt gcctggncaa gcagctggga 180

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aggatgggac gttactttgt gctgaactta caatatttca aaaggggttc ttactttctn 240
atcttggtgt gagaatttcg tgggtggtgc ttaggaaagg ggaaggagga agtttttaca 300
accattccca ggaaggntta gggccagggn aaagganggt ttaagntggt tgnncncgaa 360
attttttagg gngggttgng attgggcaan tnngtnggct ttggttgggg ggttccctt 420
tttaanngan ttnggggntt nggggngttt tttttggggn ggnaaatatt tttaaggnct 480
ttttttggg ggaaaaa 496

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<210> 641

<211> 186

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (167)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (177)

<223> n equals a,t,g, or c

<400> 641

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ggcaaacatg cagatctttg tgaagaccct cactggcaaa accatcaccc ttgaggtcga 60
gcccagtgac accattgaga atgtcaaagc caaaattcaa gacaaggagg gnatcccacc 120
tgaccagcag cgntgatata ttgccgnaa acagctggaa ggatggnccg aactctntca 180
gactac 186

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<210> 642

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (188)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (217)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (278)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c



<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

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<400> 642
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gctccgatgt atttgatggt gacctgggaa tggggcagcc aagggtctga aagcctcccc 120
acacatgacc ccagccctct acagcggtaa ggtgaggggac ccacattnc cctgccctct 180
gagacttngg gggacgttgc cccctgana tgcagnnngg gcctgaatat gtgaaccagc 240
cagatgttcg gccccagccc ctttcgcccc gaagatgngc tngnctgctg cccgacctnc 300
ttggtgccac tctgnaagn ggccaagaat ctnttcccca gggaagaatt gggtcgtcaa 360
aagnggtttt tgcnttttgg gggttccggt gagaancccg agtangttta caaccccaag 420
ggaagaanct tcccctnaag ccccaacctt cttccttgct taagccagcc ttgacaacc 480
tctaataatt ggancaagan ccaacaaaac cgggggggc 519

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<210> 643
<211> 138
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

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```

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

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```

<220>
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<222> (102)
<223> n equals a,t,g, or c

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```

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

```

```

<400> 643
agttccttgc ngcaggcaac ccacttaggt ggccancaat cttgacttcc agatggaaga 60
gtgacatcta tnanaggaaa agtgatggca tntatatcat anntctcaag aggacctggg 120
agaagcttct gctgggca                                     138

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<210> 644
<211> 602
<212> DNA
<213> Homo sapiens

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<220>
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<222> (530)
<223> n equals a,t,g, or c

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```

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

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<400> 644
gccacgcgt cggcgagct gagtggttgt gtggtcgcgt ctcggaacc ggtagcgctt 60
gcagcatggc tgaccaactg actgaagagc agattgcaga attcaaagaa gctttttcac 120
tatttgacaa agatgggtgat ggaactataa caacaaagga attgggaact gtaatgagat 180
ctcttgggca gaatcccaca gaagcagagt tacaggacat gattaatgaa gtagatgctg 240
atggtaatgg cacaattgac ttccctgaat ttctgacaat gatggcaaga aaaatgaaag 300
acacagacag tgaagaagaa attagagaag cattccgtgt gtttgataag gatggcaatg 360
gctatattag tgctgcagaa cttcgccatg tgatgacaaa ccttggaaga gaagttaaca 420
gatgaagaag tttgatgaaa tgatcagggg agcagatatt gatggtgatg gtcaagttaa 480
ctatgaagag tttgtaccaa atgatgacag caaaagtgaag agaccttttn ccagaatggg 540
gttaaatttc ttgnaccaa antggttaat ttggcctttt ctttggttgg naacttatct 600
gn                                                                 602

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<210> 645
<211> 112
<212> DNA

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<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<400> 645

atntgttggtg ccggaactgg gctngtttca ccggaagaa ngtdgganct gcctctgana 60  
atgtgtatgt ccacatacca caccttagga attctcacga aaagtnttcc aa 112

<210> 646

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<400> 646
cagcggggcca ctctggatcc tgggcgacgt cttcatcggc cgctactaca ctgtggttga 60
ccgtgacaac aacaggggtgg gcttcgccga ggctgcccgc ctctagtacc caaggcgccc 120
gcgcgccagc acagaaacag aggagagtcc cagagcagga ggcccctggc ccagcgggcc 180
ctccacacaca caccacacaca ctgccccgcc cactgtccctg ggcgcccctgg aagccggcgg 240
gccaaagccga ctgctgttt tgttctgtgg ttccccctcc ctggggttcaa aaatgctgcc 300
tgctgtctgt ctctccatct tgtttggtgg gttaaactga tccaaaaaa aatttgttcc 360
gtgattggaa aaaccaccca acttggaanc nactctttt cctgggtcct tctctccagg 420
atcccccccg gcctacaagc cgtngggttaa cctacccaac agngcncccg gcnccctgaa 480
ctgcnctaa gcccttccaa ttggccattg gttc 514

<210> 647
<211> 525
<212> DNA
<213> Homo sapiens

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<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (480)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (517)  
<223> n equals a,t,g, or c

<400> 647  
ccctactaat ntngncaaaa gcnengagct ccaccgcggt ggcggccgct ctagaactag 60  
tggatccccc ggnttgccagg aattcggcac gagcacgcag cggcccgtgg acatcgtctt 120  
cctgctggac ggctccgagc ggctgggtga gcagaacttc cacaaggccc ggcgcttcgt 180  
ggagcagggt gcgcggcggc tgacgctggc ccggaggagc gacgaccctc tcaacgcacg 240  
cgtggcgctg ctgcagtttg gtggccccgg cgagcagcag gtggccttcc cgctgagcca 300  
caacctcacg gccatccacg aggcgctgga gaccacgcaa tacctgaact ccttctcgca 360  
cgtgggcgca gccgtggtgc acgccatcaa tgccatcgct gcagccccgc gtggcggggc 420  
ccggaggcac gcagagctgc cttcgtggtc ctcacggacg gcgtcacggg caacgacagn 480  
ctgacgagtc ggcgcactcc atgcgcaagc agaacngnga cccac 525

<210> 648  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>

<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<400> 648  
gncagatgg gcatgctgaa ggggcctctt cttaacaaat ttctgaccac agccaaagat 60  
aagaaccgct gggaggacnc tggtaagcag ctctacaacg tggaggccac atcctatncc 120  
ctcttngccc tactgcagct aaaagncttt gactttgtnc ctcccgtcgt ncnttngctc 180  
aatgnacaga gatnctacgg tgggtgntat ggctctaccc aggccacctt catggtgttc 240  
caagncttag ctcaatanca gaaggacggc cctgaccacc aggcactgaa ccttgangtg 300  
nacctccaaa tgctcng 317

<210> 649  
<211> 575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c



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<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<400> 649
gtaggaacac cctcatcatc tacctggaca aggtctcaca ctctgaggat gactgtcttag 60
ctttcaaagt tcaccaatac tttaatgtag agcttatcca gcctggagca gtcaaaggct 120
acgcctatta caacctggag gaaagctgta cccggttcta ccatccggaa aaggaggatg 180
gaaagctgaa caagctctgc cgtgatgaac tgtgccgctg tgctgaggag aattgcttca 240
tacaaaagtc ggatgacaag gtcaccctgg aagaacggct ggacaaggcc tgtgagccag 300
gagtggacta tgtgtacaag acccgactgg caaggttcaa gctgtccaat gactttgacc 360
gagtacatca tggccattga gcagaccatc aagtcaggct cggatgaggt gcaggttgga 420
cagcagcgca cgttcatcag ccccatcaag tgcagagaag ccctgaagct tgaggagaag 480
aaacactact tcatgtgggg nctcttctnc caattctggg gagagaagcc caaccttagc 540
tacctcatcg ggaaggacac ttgggtggag cactg 575

<210> 650
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<400> 650

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tcgaccacg cgtccggcat tgtctatcat tgcactggag atccaagcac agaagtgtgt 60
agagttaaca gaaggaatag aatgtcttca gacacattcc aagataaatg gcagagattt 120
gaccttcttg caagaacttg tatccaagtg tttaactgaa tattcatcta agcaaagtgg 180
ttccanacca aatgttccag aagtttgaaa atggatttgt tcctggacgt actgcacggc 240
aanctgaagc acaggntact aacngntna acccanc 277
```

<210> 651

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

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<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 651
ggcacaggnt ccnggggtgga gctggctgag tcgcgcgctc tgctccaccc ggggggggctg 60
ttttttctgg gcttggtctg cggcggnacng agatggnagn gcagtnggac gaggccgtga 120
agtaatacac cctaggagga gattcagaag cacaaccaca gcaagagcac ctggnctgat 180
cctgncacca caaggtgtac gaatttgacc aaattttctgg nagagggcatc cctgggtggg 240
gaggaagttt taagggggaac aagcttgag gtgacgctac ttgaggaant tttgaggnt 300
gttcggggca cttttaccag ntgncccaag ggaaaattgt tcccaaaaac atttnca 357

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<210> 652  
<211> 190  
<212> DNA  
<213> Homo sapiens.

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<400> 652  
ggacgctact tcccctatca tagaagagct tatcaccttt catgatcacg ccctcataat 60  
cattttcctt atctgcttcc tagtcctgta tgcctttttc ctaacactca caacaaaact 120  
aactaatact aacatctnag acgctnanga aatagaaacc gtctgaacta tncgtcccgn 180  
catcatccta 190

<210> 653  
<211> 603  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (600)  
<223> n equals a,t,g, or c

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<400> 653
gcttcgaccc cgccggagga ggagacccca ttctatacca acacctattc tgatttttcg 60
gtcacccctga agtttatatt cttatcctac caggcttcgg aataatctcc catattgtaa 120
cttactactc cggaaaaaaa gaaccatttg gatacatagg tatggtctga gctatgatat 180
caattggctt cctaggggtt atcgtgtgag cacaccatattttacagta ggaatagacg 240
tagacacacg agcatatttc acctccgcta ccataatcat cgctatcccc accggcgcca 300
aagtattttag ctgactcgcc acactccacg gaagcaatat gaaatgatct gctgcagtgc 360
tctgagccct aggatttcac tttcttttca ccgtaggtgg cctgactggc attgnattag 420
caaactcatc actagacatc gtactacacg acacgtacta ccgttgtagc ccacttccac 480
tatgtcctat caataggagc tggatttgcc atcataggaa ggcttcattc actgatttcc 540
ctattctcag gctacaccct agaccaaacc tacgccaaaa atcattttcac tatcataatn 600
cac 603

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<210> 654

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<400> 654

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ggtttttttc ttgcaggat tttttgagc cttttaccac tccagcctag cccctacccc 60
ccaattagga gggcactggc cccaacagg catcaccccg ctaaateccc tagaagtccc 120

```

```

actcctaaac acatccgtat tactcgcatc aggagtatca atcacctgag ctcaccatag 180
tctaatagaa aacaaccnaa accaaataat tcaagcactg cttattacaa ttttactggg 240
tctctatfff accctcctac aaagcctcan agtacttcga gtctcccttc accatttccg 300
anggcatacta cggctcaaca ttttttgnag cccaggcttn cacgganttt cacgtc 356

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<210> 655

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<400> 655

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gcgcaagtag gtctacaaga cgctacttcc cctatcatag aagagcttat cacctttcat 60
gatcacgccc tcataatcat ttctcttato tgcttcctag tcctgtatgc ccttttccta 120
acaactcaca caaaactaac taatactaac atctcagacg ctcaggaaat agaaaccgct 180
tgaactatcc tgcccgccat catcctagtc ctcacgccc tcccatccct acgcatcctt 240
tacataacag acgagggtcaa cgatccctcc cttaccatca aatcaattgg ccaccaatgg 300
tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta catacttccc 360
ccattattcc tagaaccagg cgacctgcga ctcccttgacg ttgacaatcg agtagtactc 420
ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca ctcatgagct 480
gtccccacat taggcttaaa aacagatgca attcccgga- gtctaaacca aaccactttc 540
accgctacac gaccgggggt atactacggt caatgctctg aaatctgtgg agcaaaccac 600
agtttcatgc ccacggcct agaattaatt cccctaaaaa tctttgaaat aagggcccg 660
atttacccta tagcaccct ct 682

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<210> 656

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (485)  
 <223> n equals a,t,g, or c

<400> 656  
 gagaagagct tatcaccttt catgatcacg ccctcataat cattttcctt atctgcttcc 60  
 tagtcctgta tgcccttttc ctaacactca caacaaaact aactaatact aacatctcag 120  
 acgctcagga aatagaaacc gtctgaacta tctgcccgc catcatccta gtcctcatcg 180  
 ccctcccatc cctacgcac ctttacataa cagacgaggt caacgatccc tcccttacca 240  
 tcaaatacat tggcaccaat ggtactgaac ctacgagtac accgactacg gcggactaat 300  
 cttcaactcc tacatacttc cccattatt cctagaacca ggcgacctgc gactccttga 360  
 cggtgacaat cgagtagtac tcccgaattga agccccattc gtataataat tacatcacaa 420  
 gacgcttgna ctcaagagct gnccacant aggcttaaaa acaggatgca atttccgggc 480  
 ggntnaaaca aaacaatttt accggtacac gaacggggggg 520

<210> 657  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (227)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (340)  
 <223> n equals a,t,g, or c

<400> 657  
 gcactttctg ccaaagaaat ctctcctttt gcttctagca ccgactagat ttcccttcagc 60  
 tgatgattga ctcccagaat tcgaaagaaa ctgagtccca caaagctctg tctgatctgg 120  
 agctcgcagc ccagtcgaata atcttcattt ttgctggcta tgaaaccacc agcagtgttc 180  
 ttctcttcac ttatatgaa ctggccactc accctgatgt ccagcanaaa ctgcaaaagg 240  
 gagattgatg cagtttttgc caataaggca ccacctacct atgatgccgt ggtacagatg 300  
 gattaccttg acatggtggt gaatgaaacc tcaaattatn ccggttggt tta 353

<210> 658  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<400> 658
ggcanagggc accaccatcc tgcattgccc actttacttg gccttctcct ggctctaact 60
caggcagcca agaccctccc cacttccttc ttgggcctcc ctctcctcag gtatgaaaat 120
gaagctggcc ctgcgcccag gcgtttgaag gctgacatca acggcttgcg ccgagtcctg 180
ggatgagctg accctggcca ggnctgacct ggagntgcag atcgagggcc tgaatgaggn 240

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